ETA License Manager User's Manual

Version 1.0

Engineering Technology Associates, Inc.
1133 E. Maple Road, Suite 200
Troy, MI 48083-2896

Phone: +1 (248) 729 3010
Support: +1 (800) 382 3362
Fax: +1 (248) 729 3020

Engineering Technology Associates, Inc., ETA, the ETA logo, and eta/DYNAFORM are the registered trademarks of Engineering Technology Associates, Inc. All other trademarks or names are the property of the respective owners.

©1998-2013 Engineering Technology Associates, Inc. All rights reserved.

Table of Contents

INTRODUCTION 4
1.1 INSTALL ETA LICENSE MANAGER 5
1.2 MANAGE DYNAFORM LICENSE 10
1.2.1 RUN DYNAFORM WITH NETWORK LICENSE 10
1.2.2 RUN DYNAFORM WITH NODE LOCK LICENSE 26
1.3 MANAGE LS-DYNA LICENSE 30
1.3.1 INSTALL LS-DYNA LICENSE ON SERVER MACHINE 30
1.3.2 RUN LS-DYNA SOLVER ON CLIENT MACHINE 37
1.4 MANAGE SHERPA LICENSE 41
1.4.1 INSTALL SHERPA LICENSE ON SERVER MACHINE 41
1.4.2 RUN SHERPA ON CLIENT MACHINE 48
1.4.3 PROBLEMS CONNECTING TO THE LICENSE SERVER 51
1.5 REQUEST LICENSE 54

INTRODUCTION

eta/DYNAFORM ETA License Manager is used to manage the license of Dynaform, LS-DYNA and Sherpa, also used to generate the log of license request.

1.1 ETA LICENSE MANAGER INSTALL GUIDE

ETA License Manager can be installed with stand-alone installation package, or be installed immediately after DYNAFORM installation. The installation package can be downloaded from ETA's ftp download site.

To install ETA License Manager, the user needs to do the following steps.

Step 1: Download the ETA License Manager 1.0 stand-alone installation package from ETA's ftp download site.

Step 2: Click the ETA License Manager 1.0 stand-alone installation package to open the ETA License Manager 1.0 installation application.

Note:

1. *Administrative privilege is required to install ETA License Manager.*
2. *The installation application can be opened by clicking **Finish** after Dynaform installation, as illustrated in Figure 1.1.1 .*

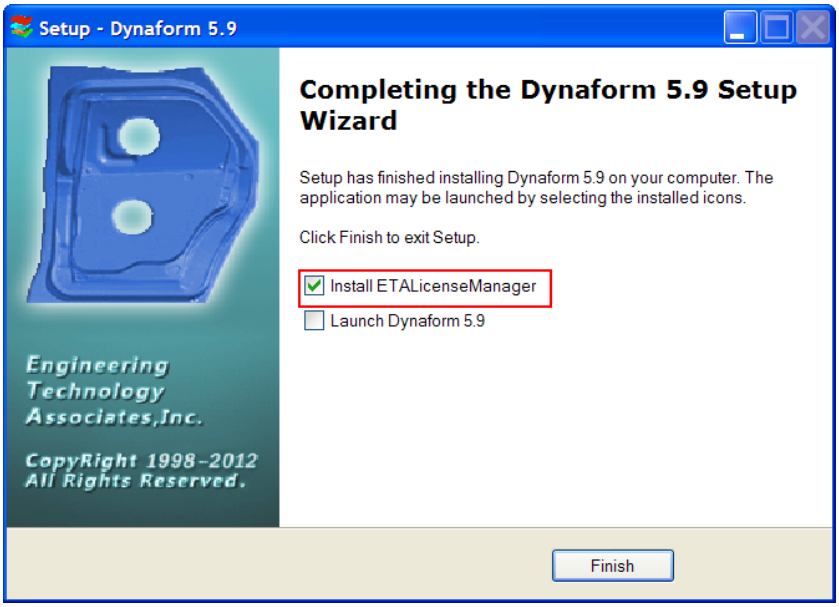
Setup - Dynaform 5.9
Completing the Dynaform 5.9 Setup Wizard
Setup has finished installing Dynaform 5.9 on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Install ETALicenseManager
Launch Dynaform 5.9
Engineering Technology Associates,Inc.
CopyRight 1998-2012 All Rights Reserved.
Finish

Figure 1.1.1 Install Eta License Manager

Step 3: Click **Next** to begin the installation, as illustrated in Figure **1.1.2**.

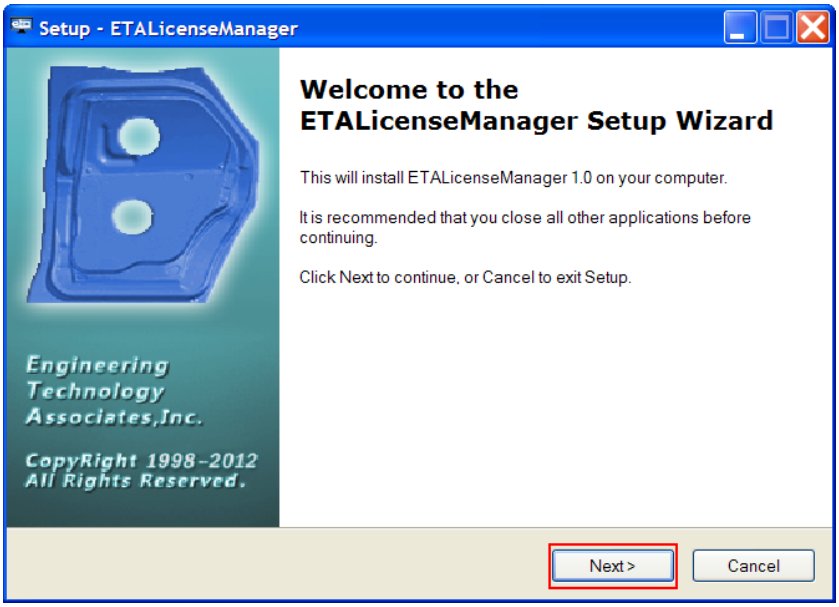

Figure 1.1.2 Open Eta License Manager

Step 4: The License Agreement is displayed. The user accepts the terms and conditions by selecting "I accept the agreement", as illustrated in Figure **1.1.3**. The installation can be terminated by selecting "I do not accept the agreement".

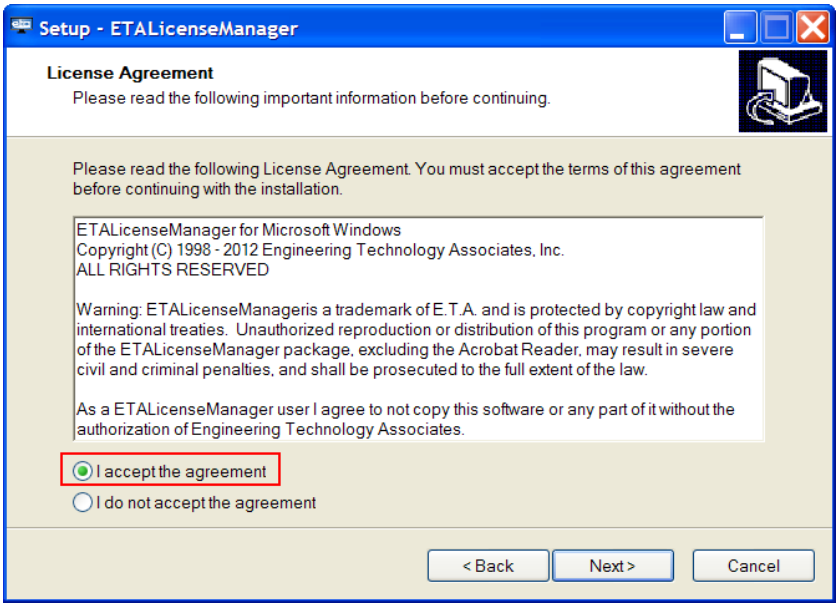
Setup - ETALicenseManager
License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
ETALicenseManager for Microsoft Windows
Copyright (C) 1998 - 2012 Engineering Technology Associates, Inc.
ALL RIGHTS RESERVED
Warning: ETALicenseManageris a trademark of E.T.A. and is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program or any portion of the ETALicenseManager package, excluding the Acrobat Reader, may result in severe civil and criminal penalties, and shall be prosecuted to the full extent of the law.
As a ETALicenseManager user I agree to not copy this software or any part of it without the authorization of Engineering Technology Associates.
I accept the agreement
I do not accept the agreement
< Back
Next >
Cancel

Figure 1.1.3 Accept the agreement

Step 5: The user confirms the products being installed by selecting **NEXT** at the next step of this installation, as illustrated in Figure **1.1.4**.

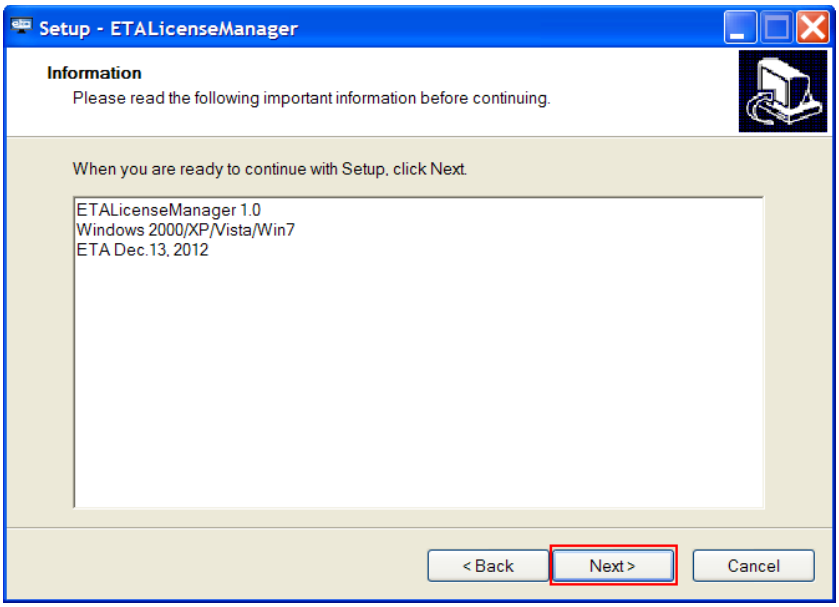

Figure 1.1.4 Information

Step 6: Choose the folder in which the ETA License Manager 1.0 will be installed, as illustrated in Figure **1.1.5**. You may use the default installation location (C:\Program File (x86)\ETA\LicenseManager 1.0) or select "Browse.." to select a different folder. Click **Next** to continue the installation.

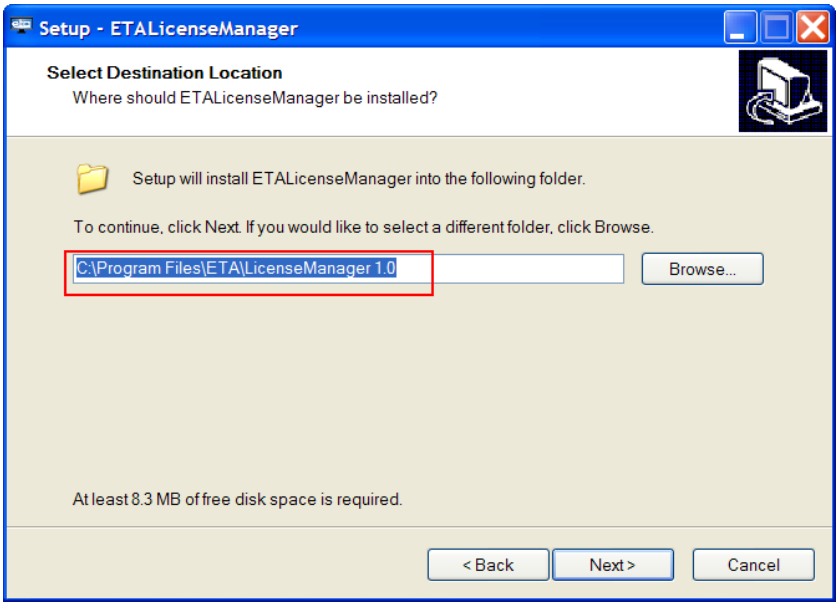
Setup - ETALicenseManager
Select Destination Location
Where should ETALicenseManager be installed?
Setup will install ETALicenseManager into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\ETA\LicenseManager 1.0
Browse...
At least 8.3 MB of free disk space is required.
< Back
Next >
Cancel

Figure 1.1.5 Install Folder

Step 7: The user may select the name of the Shortcut created for ETA License Manager, as illustrated in Figure **1.1.6**. The default shortcut is the name of the executable file for etaLicenseManager 1.0. To accept the default name, select **Next**. If you wish to change the name of the shortcut, type a new name in the field and then select **Next**.

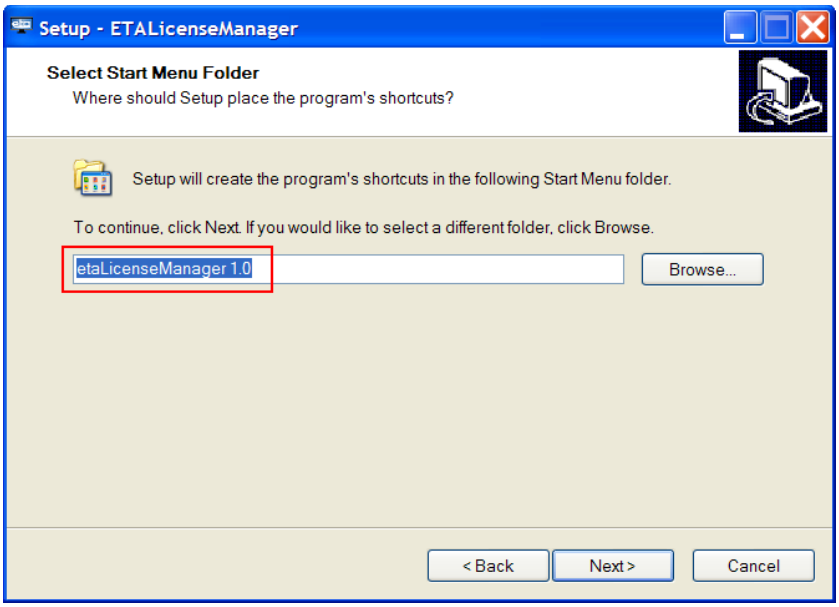
Setup - ETALicenseManager
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
etaLicenseManager 1.0
Browse...
< Back
Next >
Cancel

Figure 1.1.6 Shortcut Name

Step 8: The installation will create a desktop icon if you desire. If the user does not want to create a deskto, uncheck the box, as illustrated in Figure **1.1.7**. The user selects **Next** to proceed in the installation.

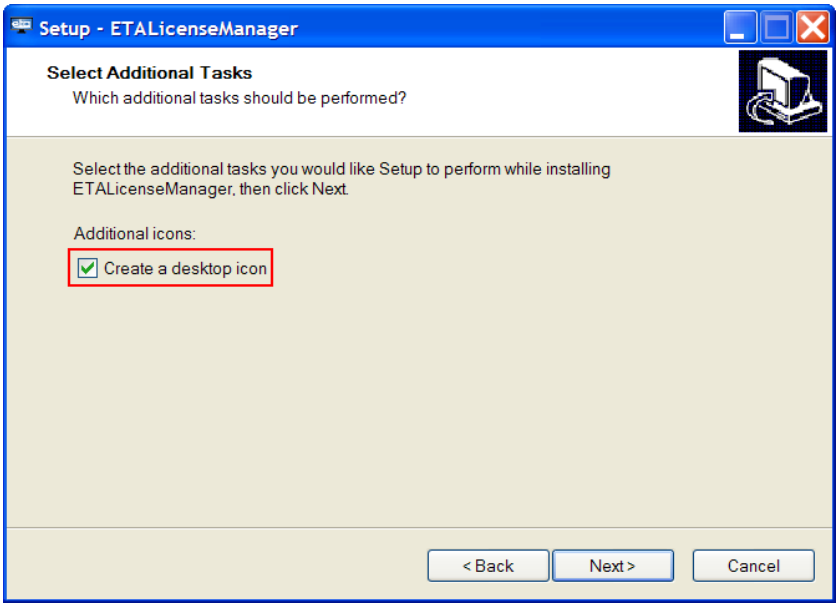
Setup - ETALicenseManager
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing ETALicenseManager, then click Next.
Additional icons:
Create a desktop icon
< Back
Next >
Cancel

Figure 1.1.7 Create Desktop Icon

Step 9: The installation program is now ready to install ETA License Manager in the desired location , with the desired options, as illustrated in Figure **1.1.8**. Select **Install** to proceed with the installation, **Back** to return to a previous step of the installation or **Cancel** to terminate the installation process.

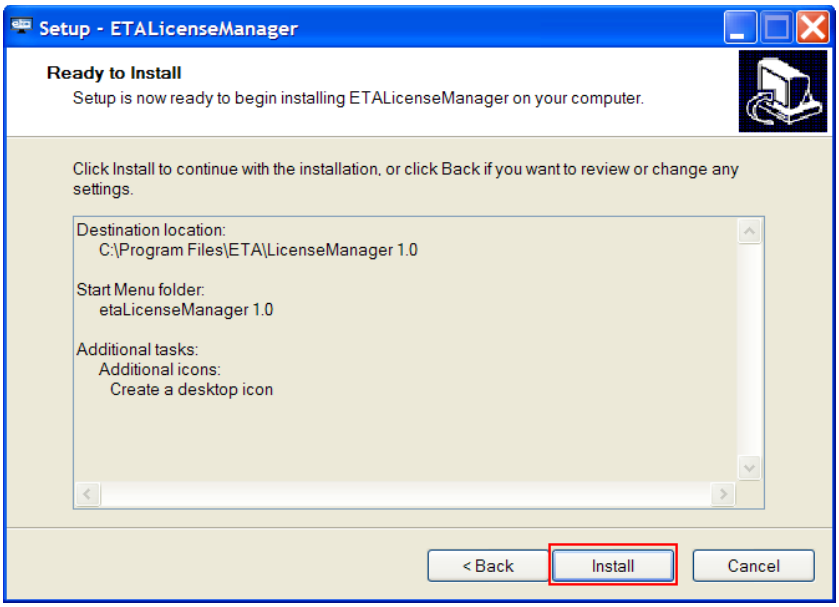
Setup - ETALicenseManager
Ready to Install
Setup is now ready to begin installing ETALicenseManager on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\ETA\LicenseManager 1.0
Start Menu folder:
etaLicenseManager 1.0
Additional tasks:
Additional icons:
Create a desktop icon
< Back
Install
Cancel

Figure 1.1.8 Ready to Install

Step 10: After the installation has been successfully completed, a confirmation window will be displayed. The installation process is now completed, and you may start the etaLicenseManager program by checking the "Launch etaLicenseManager" box, as illustrated in Figure **1.1.9**.

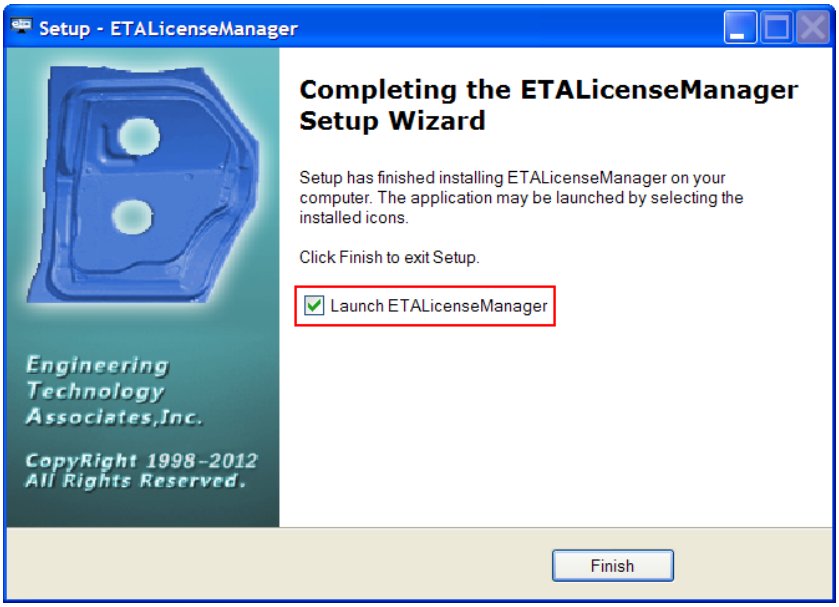
Setup - ETALicenseManager
Completing the ETALicenseManager Setup Wizard
Setup has finished installing ETALicenseManager on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Launch ETALicenseManager
Engineering Technology Associates,Inc.
CopyRight 1998-2012 All Rights Reserved.
Finish

Figure 1.1.9 Installation Completed

By selecting "Finish" the user completes the installation and exits the installation application.

1.2 MANAGE DYNAFORM LICENSE

Dynaform License tab is used to manage the network license and node lock license of Dynaform, as shown in Figure **1.2.1**.

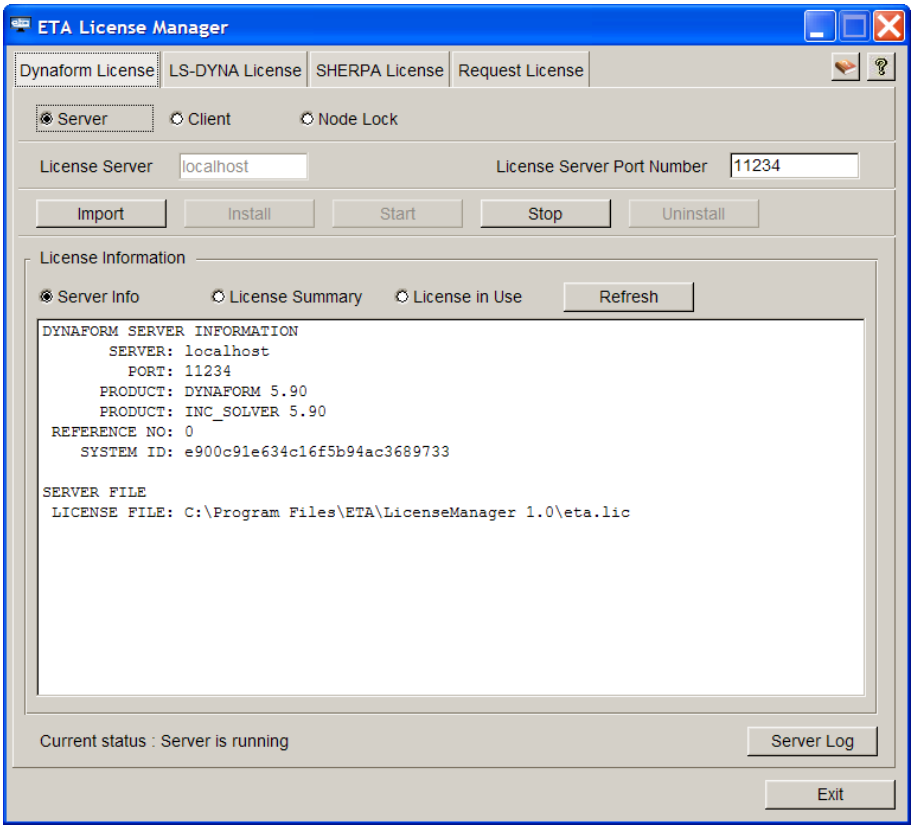

Figure 1.2.1 ETA License Manager

1.2.1 RUN DYNAFORM WITH NETWORK LICENSE

Network license is used to install the license on the server machine, and the client machine can connect the server to run Dynaform. Before using network license, the user needs to install Dynaform license and start ETALicenseServer service on the server machine.

1.2.1.1 Install Dynaform License on Server Machine

To install the Dynaform License on Server machine, and start ETALicenseServer Service, the user needs to do the following steps.

Step 1: Request a Dynaform License.

User can do the steps in section 1.5 **Request License** to request a Dynaform License.

Step 2: Run ETA License Manager

On the Server machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

Step 3: Select Server

Select ***Server*** in ***Dynaform License*** tab to install the license on the server machine, as illustrated in Figure **1.2.1**.

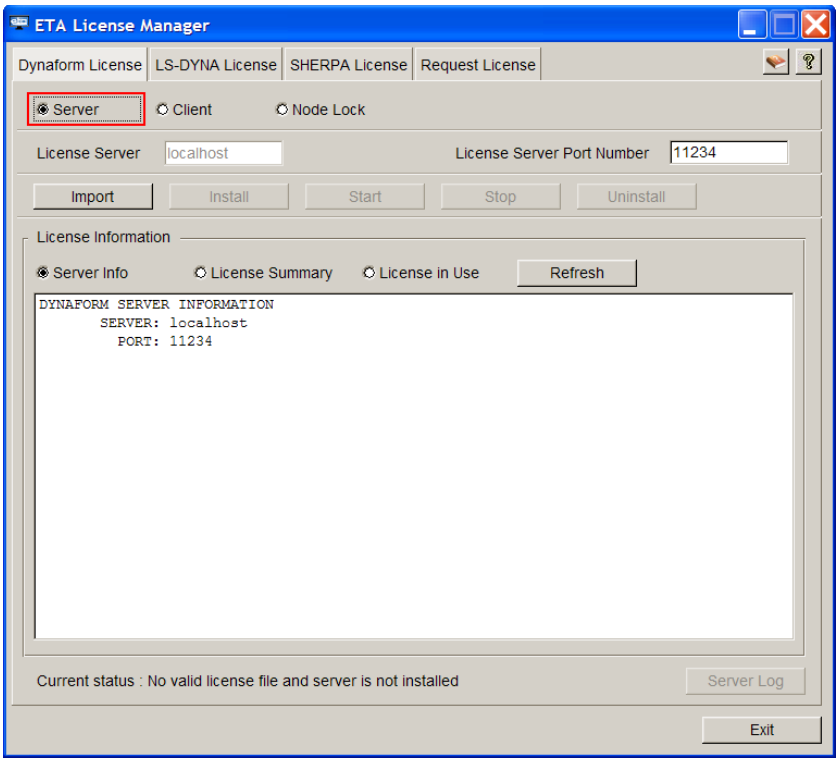

Figure 1.2.2 Select Server

Step 4: Import License

Click ***Import***, select the folder in which the license is put, and select the license file, such as ***xxx_eta.lic*** as illustrated in Figure **1.2.3** and Figure **1.2.4**.

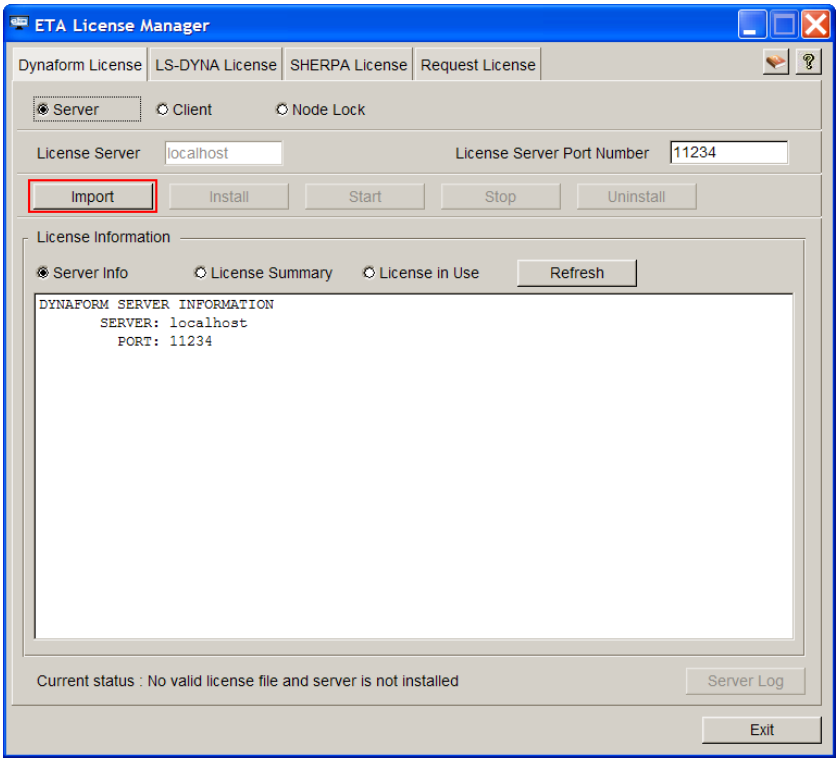

Figure 1.2.3 Click Import

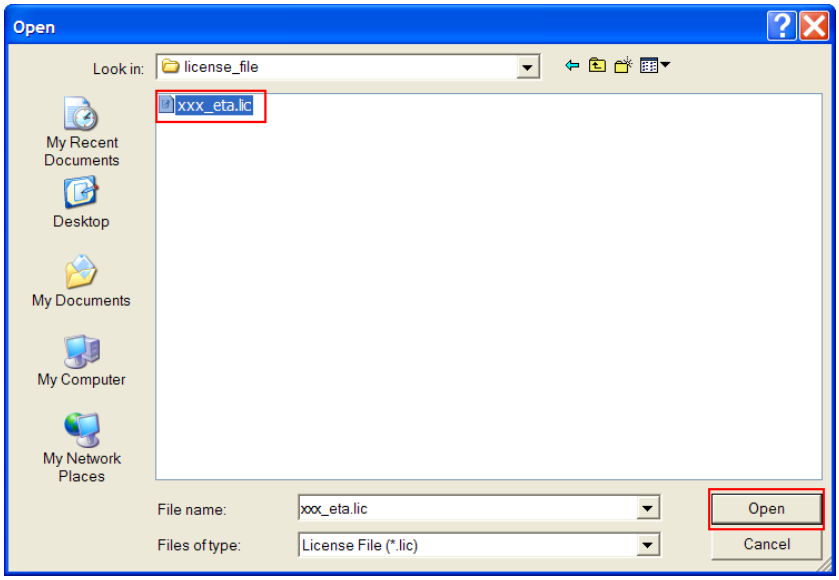

Figure 1.2.4 Select license file

Click ***Open*** to import the license. The license file will be imported, named with new a name **eta.lic** and put in the ETA License Manager installed folder, as shown in Figure **1.2.5**.

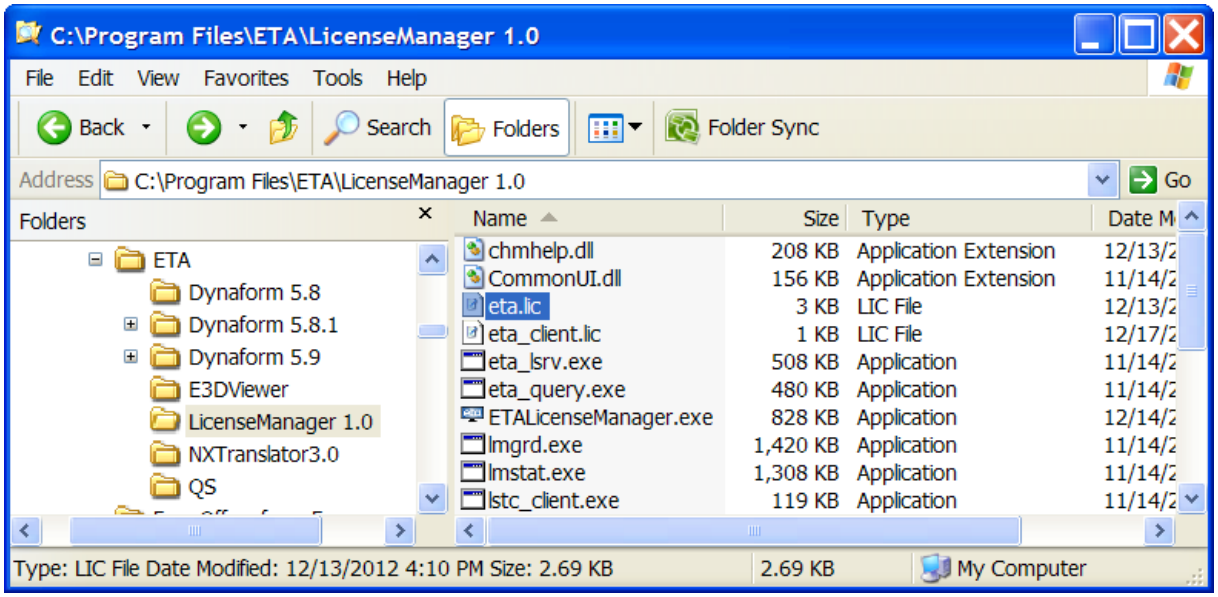

Figure 1.2.5 ETA License Manager installed folder

Note: License file must be generated on the server machine, where the Dynaform license serve will be installed.

After clicking **Open**, if the license is valid, the program will pop up the dialog with the message "***License file is imported successfully***", as illustrated in Figure **1.2.6**.

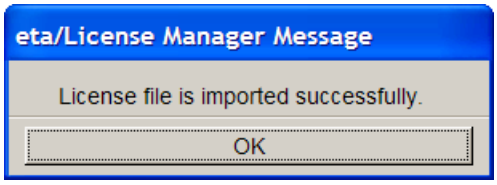

Figure 1.2.6 Valid License

If the license is not valid, the program will pop up the dialog with the message "***No valid license in file xxx_eta.lic***" as illustrated in Figure **1.2.7**. Please check the license file.

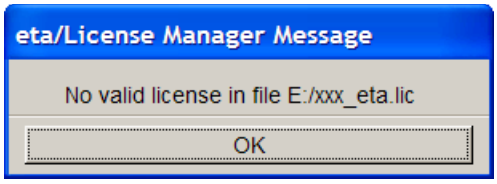

Figure 1.2.7 No Valid License

Step 5: Install License and ETALicenseServer Service

Install License on Dynaform Installed Folder

Clicking ***Install***, the server license is installed and the client license file is also generated in the Dynaform installed folder, as illustrated in Figure **1.2.8** and Figure **1.2.9**.

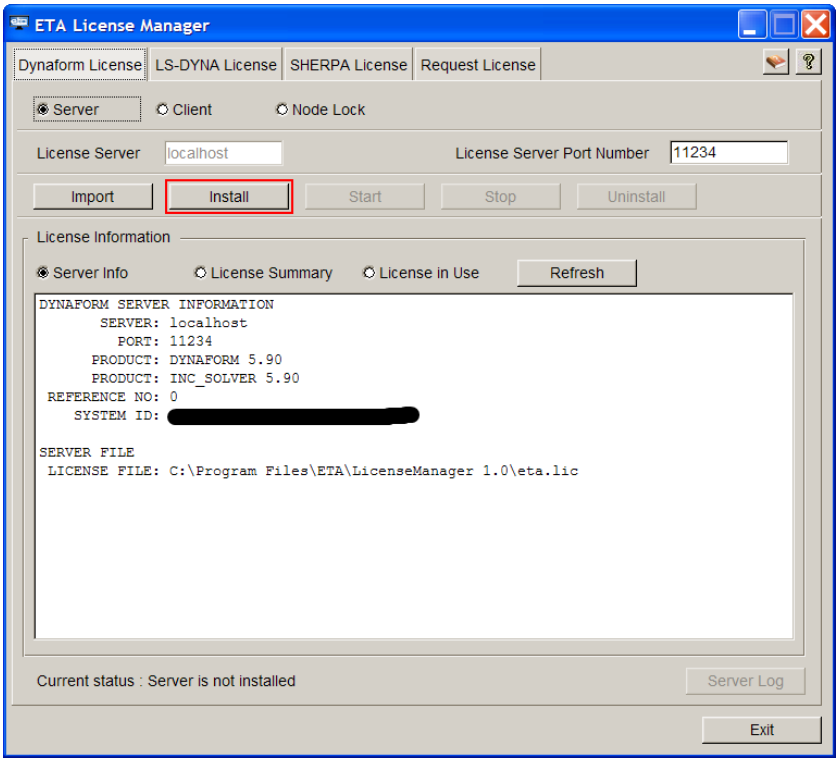

Figure 1.2.8 Click Install button

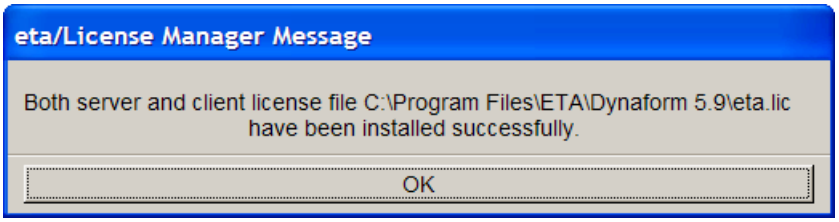
eta/License Manager Message
Both server and client license file C:\Program Files\ETA\Dynaform 5.9\eta.lic
have been installed successfully.
OK

Figure 1.2.9 Install License

Note: If ETA License Manager is installed with stand-alone installation package, do not install immediately after DYNAFORM installation, the program will ask user to select the folder where the Dynaform is installed on the Server Machine as illustrated in Figure 1.2.10. Clicking OK, the server license is installed and the client license file is also generated in the Dynaform installed folder.

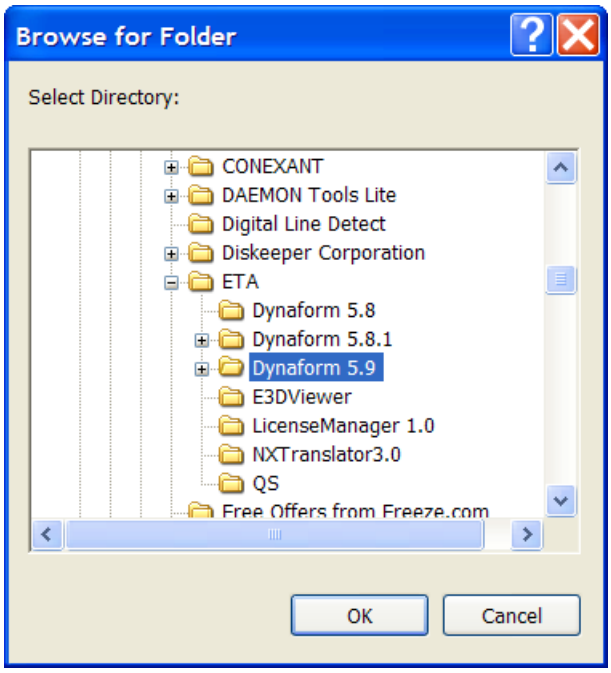

Figure 1.2.10 Select Dynaform Install Folder

The program puts the client license file in Dynaform installed folder, or manually copies it in other Dynaform installed folder. To start **ETALicenseServer** Service, user can run Dynaform on **Server** machine, and the **Server** machine will be one client on itself.

Install ETALicenseServer Service

After clicking **Install**, **ETALicenseServer** Service will be registered in the Windows Services, as illustrated in Figure **1.2.11**.

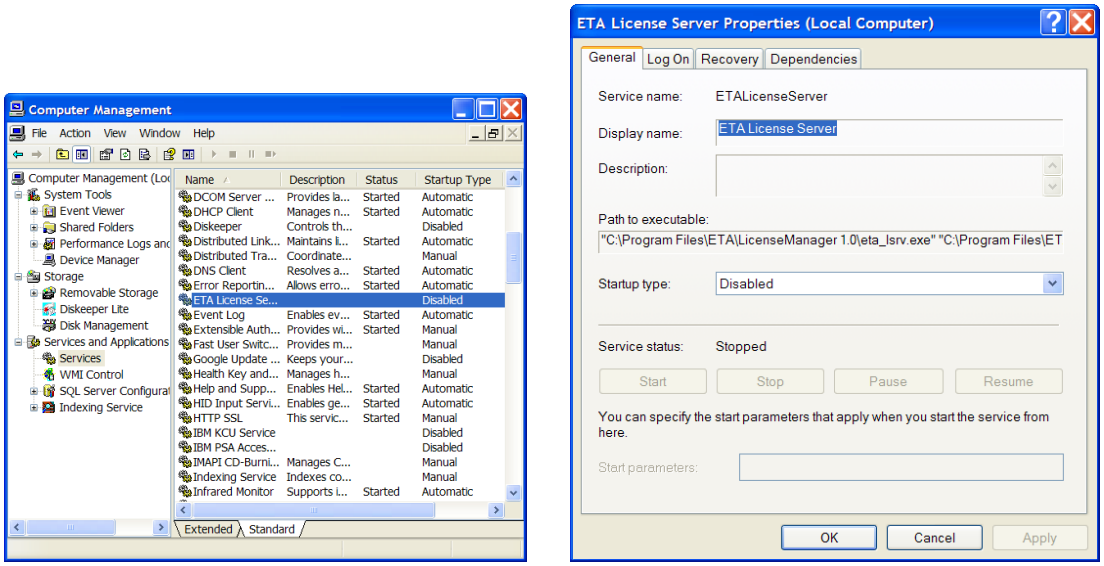

Figure 1.2.11 ETALicenseServer Service

*Note: Clicking **Uninstall**, the **ETALicenseServer** Service will be uninstalled, and the eta license file under the **ETA License Manager** installation folder will be removed at the same time, as illustrated in Figure 1.2.12. User needs to import and install the license again to start **the ETALicenseServer** Service. The license server needs to be stopped to activate the Uninstall button.*

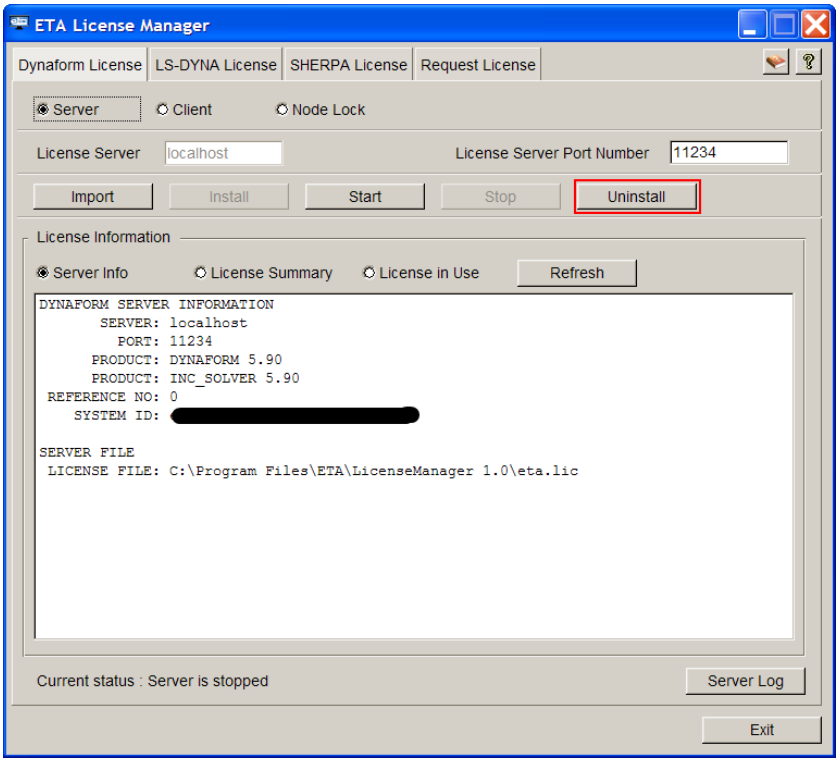

Figure 1.2.12 Uninstall

Step 6: Start ETALicenseServer Service

Click **Start** to start ETALicenseServer Service on Server machine, as illustrated in Figure **1.2.13**.

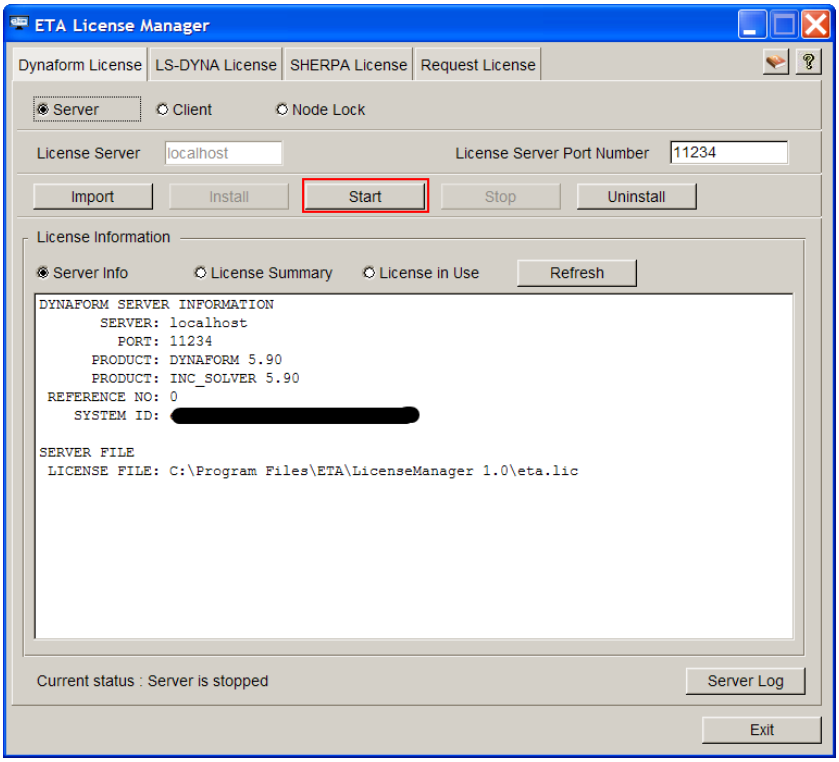

Figure 1.2.13 Start ETALicenseServer service

*Note: The program has generated the client license in the Dynaform installed Folder of the server machine. After starting **ETALicenseServer** Service on server machine, user can run Dynaform on server machine. To run Dynaform on the client machine, the user needs to install the client license on client machine.*

Stop ETALicenseServer Service

After clicking **Stop**, the **ETALicenseServer** Service will be stopped, and user cannot run Dynaform on client machine and server machine, as illustrated in Figure **1.2.14**.

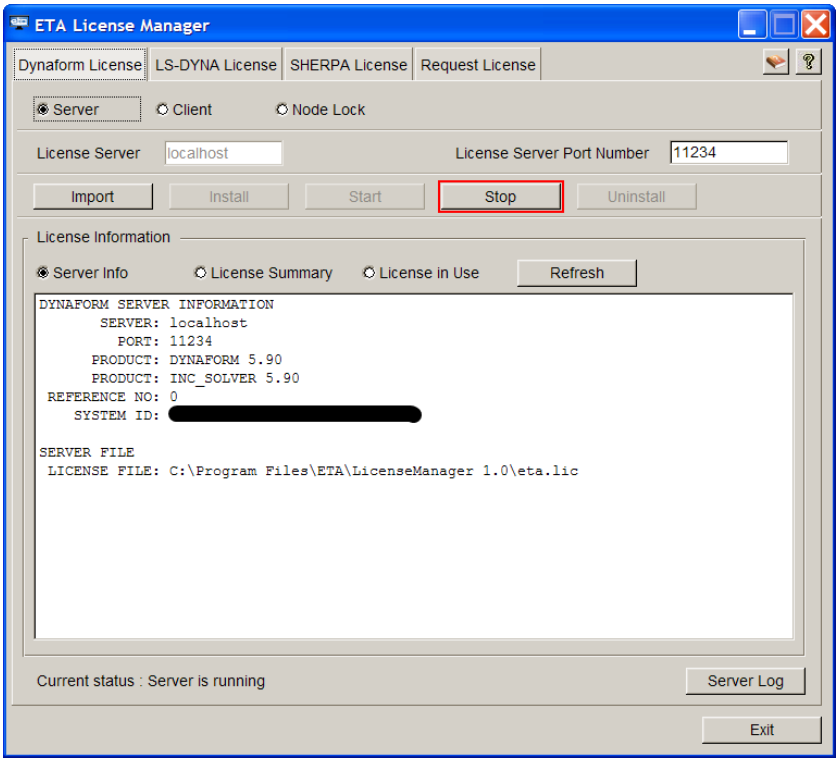

Figure 1.2.14 Stop License

1.2.1.2 Install Dynaform Client License on Client Machine

Install the Dynaform Client License on client machine so that user can run Dynaform on Client machine.

Install Dynaform Client License on Server machine.

When installing Dynaform License on **Server** machine as illustrated in the section 1.2.1.1, the program has installed a client license in one selected Dynaform installed folder. User can run Dynaform on the folder. To run other Dynaform version, the user needs to do the following steps.

Step 1: Run "ETA License Manager"

Open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

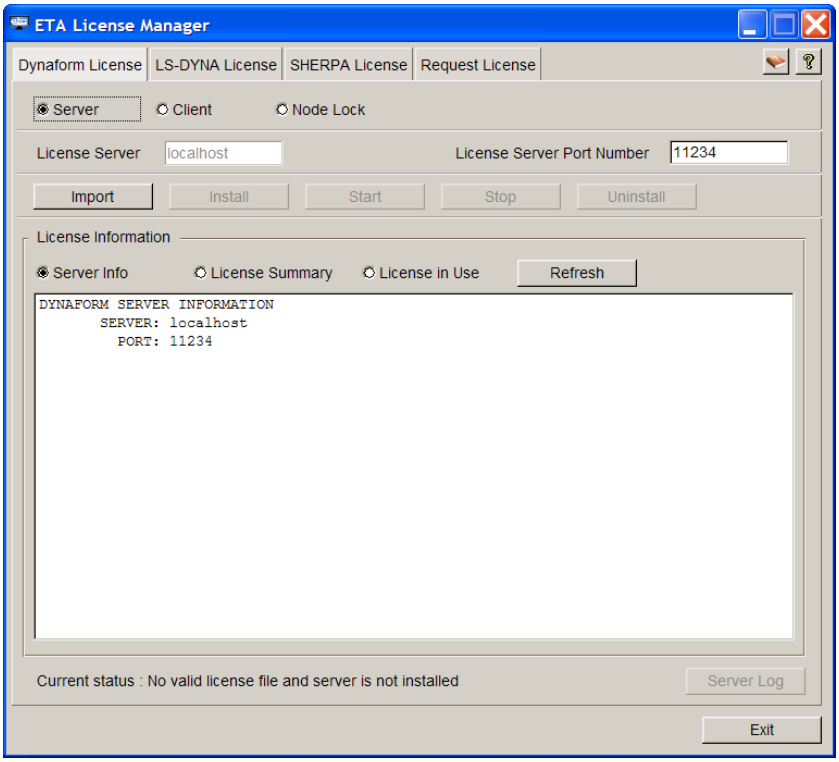

Figure 1.2.15 ETA License Manager

Step 2: Select Client

Select ***Client*** in ***Dynaform License*** tab to install client license.

Step 3: Select Location to Install

Click ***Location to install***, and then select the folder where the Dynaform is installed on the Client Machine, as illustrated in Figure **1.2.16** and Figure **1.2.17**.

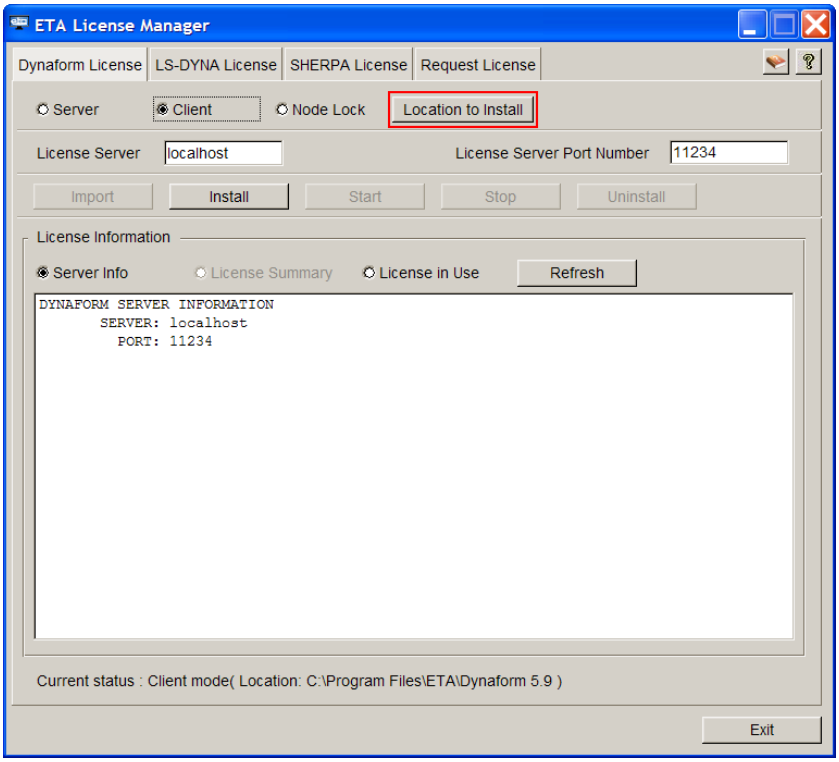

Figure 1.2.16 Location to install

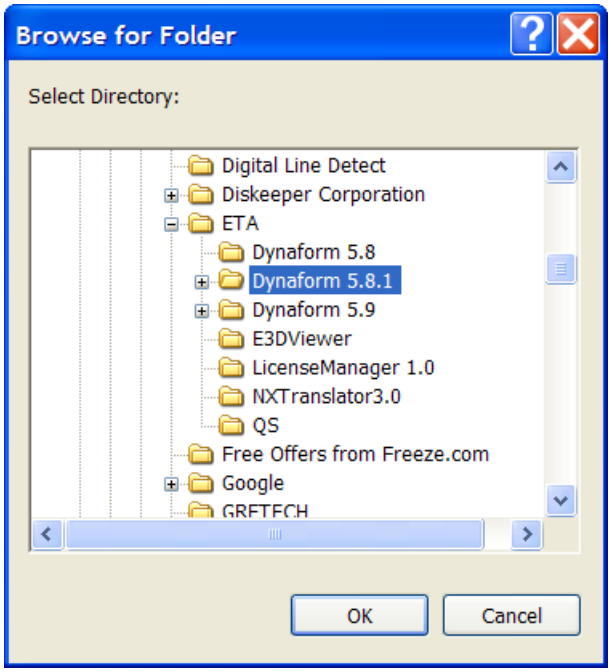

Figure 1.2.17 Select Dynaform Install Folder

Step 4: Fill License Server

Fill in the License Server with ***localhost*** or ***IP Address*** of the Server machine, as illustrated in Figure **1.2.18**. The program has automatically filled with localhost on the Server machine.

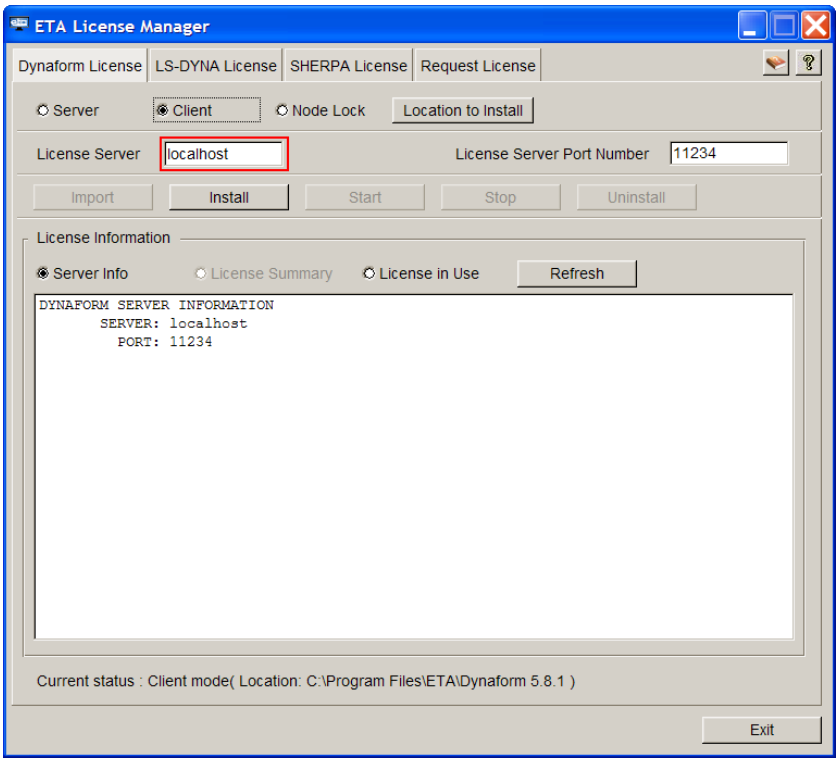

Figure 1.2.18 Fill License Server

Note:

1. *If fill in IP Address, it should be the IP address of the Sever machine itself. The IP Address of the Server machine should be static, and not be allowed to change.*
2. *Some machines have more than one network adapter, there will be more than one IP Address, and IP Address may be static or dynamic, so it is better to fill in the full computer name in the Client of Server machine.*

Step 5: Install Client License

Clicking ***Install***, the client license eta.lic file will be generated, and put in the located folder in Step 3, as illustrated in Figure **1.2.19**.

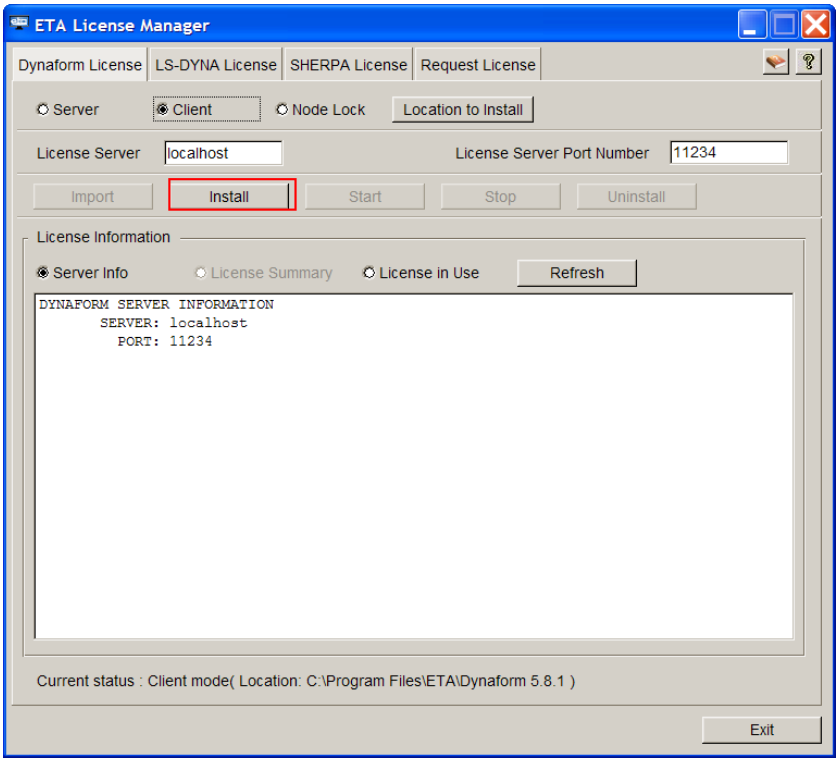

Figure 1.2.19 Install Client License

Install Dynaform Client License on Client Machine

To install Dynaform Client license on Client machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On Client machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

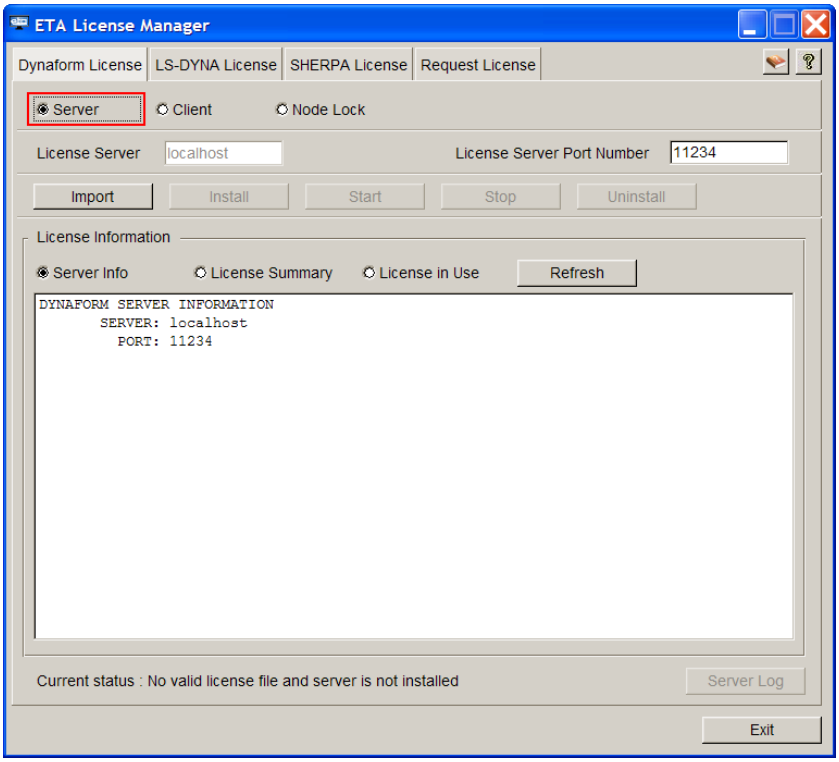

Figure 1.2.20 ETA License Manager

Step 2: Select Client

Select ***Client*** in ***Dynaform License*** tab to install client license.

Step 3: Select Location to Install

Click ***Location to install***, and then select the folder where the Dynaform is installed on the Client Machine, Figure **1.2.21**and Figure **1.2.22**.

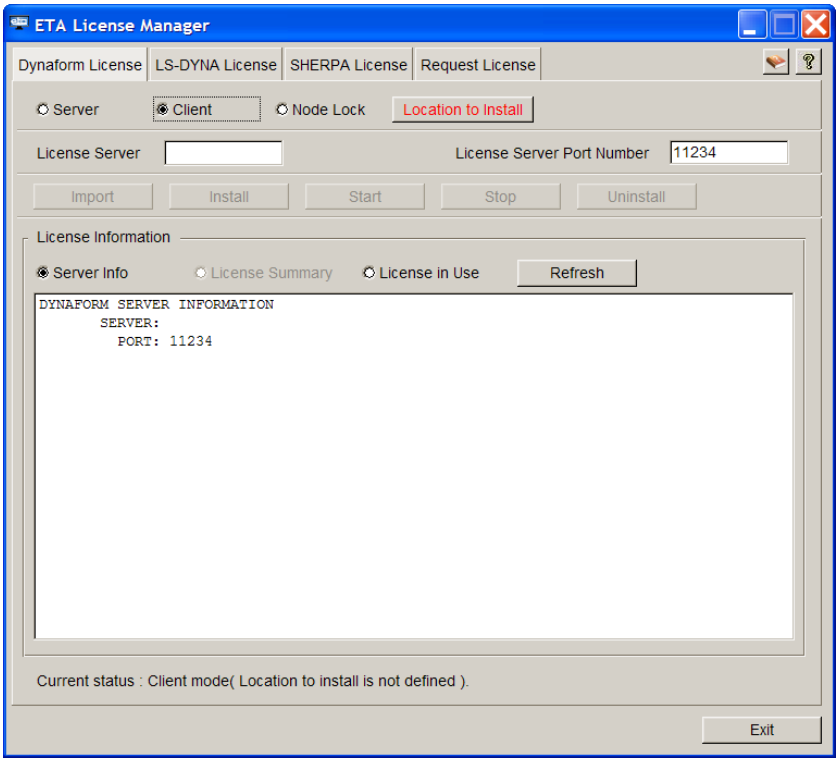

Figure 1.2.21 Location to install

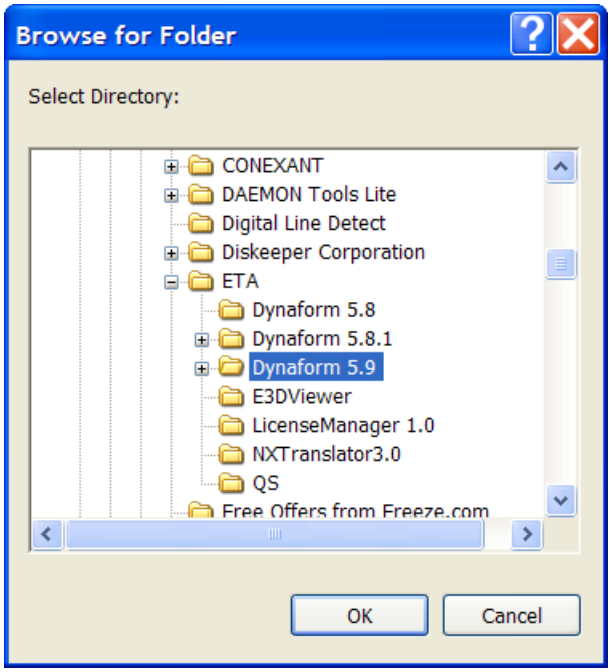

Figure 1.2.22 Select Dynaform Install Folder

Step 4: Fill License Server

Fill in the License Server with ***full computer name*** or ***IP Address*** of the Server machine, as illustrated in Figure **1.2.23**.

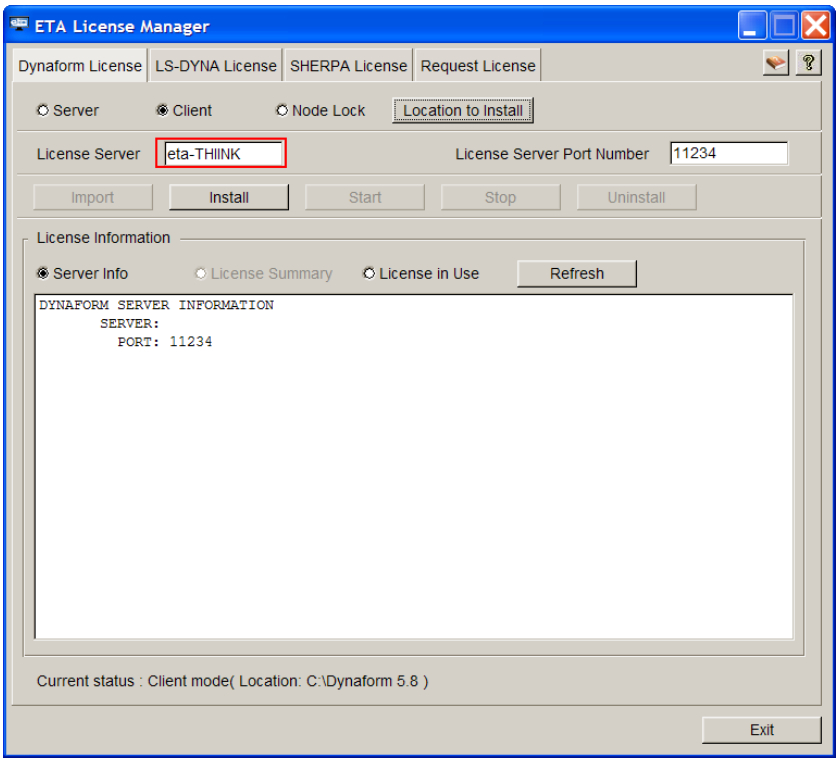

Figure 1.2.23 Fill License Server

Note:

1. *If fill in full computer name in License Server, it should be the full computer name of the Server machine, where Dynaform server license is stalled on.*
2. *If fill IP Address in License Server, it should be the IP address of the Sever machine, where Dynaform Server license is stalled on. The IP Address of the Server machine should be static, and not be allowed to change.*

Step 5: Install Client License

Clicking ***Install***, the client license eta.lic file will be generated, and put in the located folder in Step 3, as illustrated in Figure **1.2.24**.

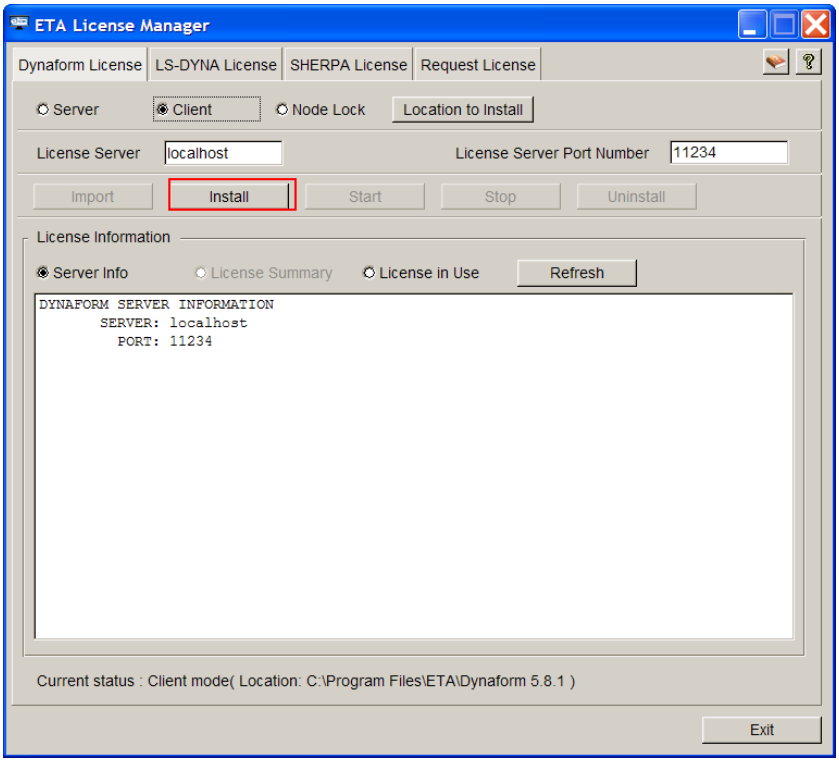

Figure 1.2.24 Install Client License

1.2.2 RUN DYNAFORM WITH NODE LOCK LICENSE

Using Node Lock License, user only needs to import the license and install it in the Dynaform installed folder, and does not need to install **ETALicenseServer** Service. To setup Node Lock License, the user needs to do the following steps.

Step 1: Run "ETA License Manager"

Open "**ETA License Manager**" icon on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

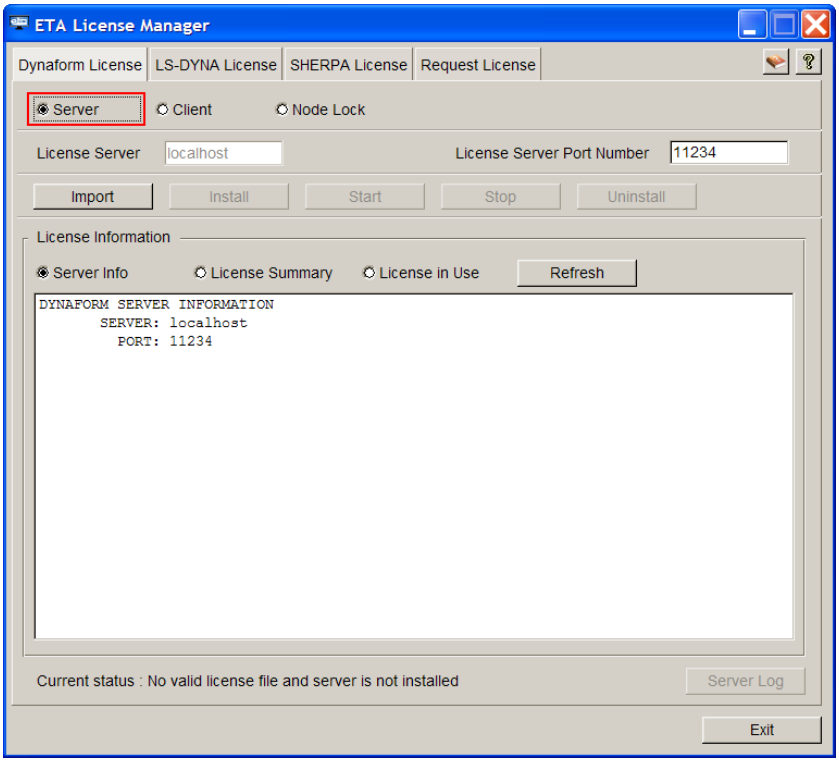

Figure 1.2.25 ETA License Manager

Step 2: Select Node Lock

Select ***Node Lock*** in ***Dynaform License*** tab, the license will be installed as node lock license.

Step 3: Select Location to Install

Click ***Location to install***, and then select the folder where the Dynaform is installed on the Client Machine, as illustrated in Figure **1.2.26** and Figure **1.2.27**.

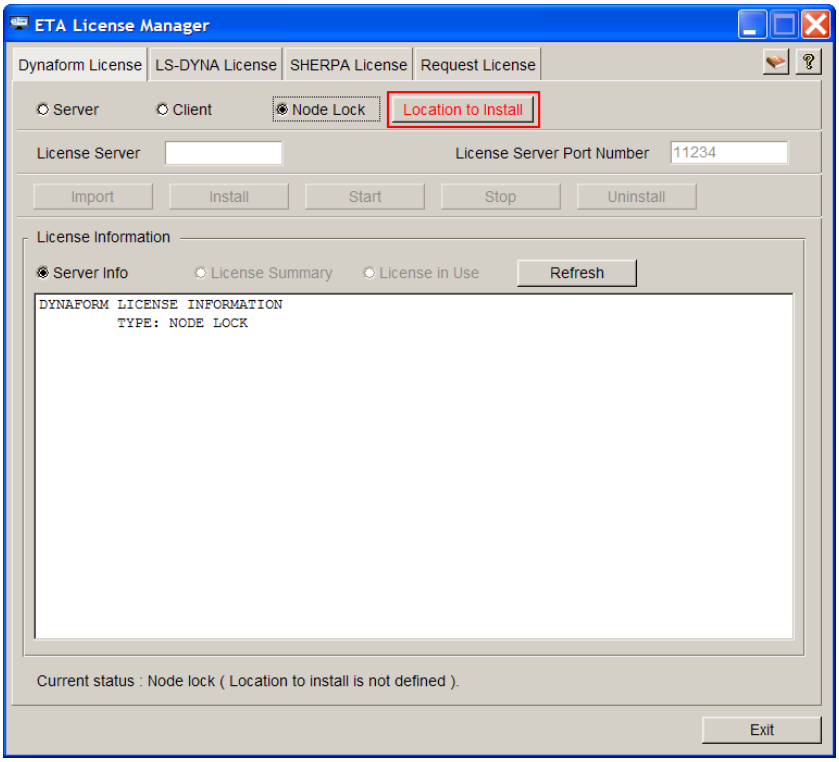

Figure 1.2.26 Location to install

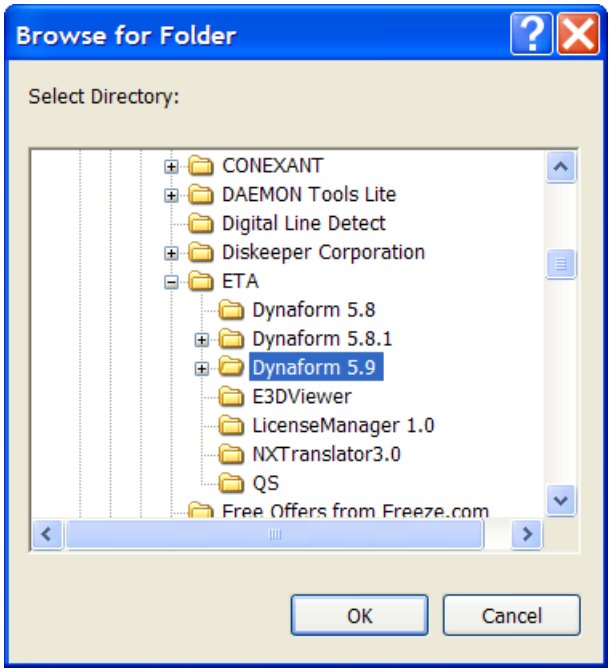

Figure 1.2.27 Select Dynaform Install Folder

Click **OK** to locate the license installation folder.

Step 4: Import Dynaform License

Click ***Import***, select which the folder where the license is put on, and select the license file, such as ***xxx_eta.lic,*** as illustrated in Figure **1.2.28**.

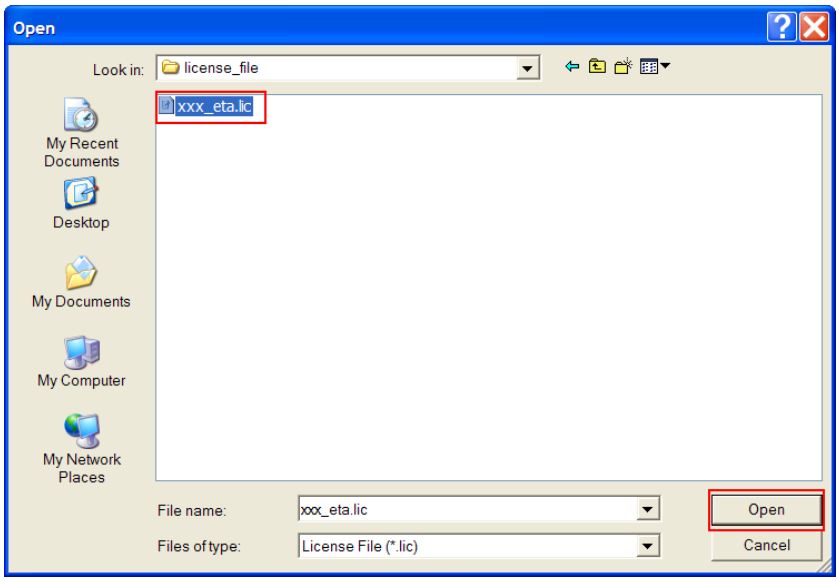

Figure 1.2.28 Import License File

The eta.lic file will be generated, and put in the located folder in Step 3.

1.3 MANAGE LS-DYNA LICENSE

LS-DYNA License tab is used to manage **Server** and **Client** of LS-DYNA network license. Install the LS-DYNA license on the server machine, and the client machine can connect the server to run LS-DYNA solver.

1.3.1 INSTALL LS-DYNA LICENSE ON SERVER MACHINE

To install the LS-DYNA License, and start **LSTC License Manager** Service on Server machine, the user needs to do the following steps.

Step 1: Request a LS-DYNA License.

User can do the steps in section 1.5 **Request License** to request a LS-DYNA License.

Step 2: Run ETA License Manager

On the Server machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

Step 3: Select Server

Switch to **LS-DYNA License** tab, and then select ***Server*** to install the license on the server machine, as illustrated in Figure **1.3.1**.

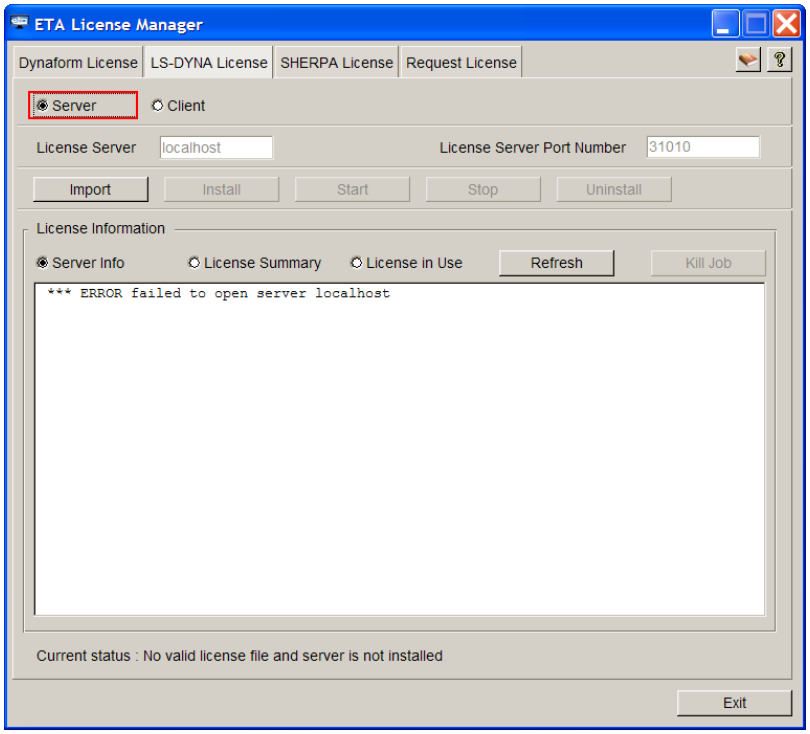

Figure 1.3.1 Select Server

Step 4: Import License

Click ***Import***, select the folder where which folder the license is put, and select the license file, such as ***xxx_server_data***, as illustrated in Figure **1.3.2** and Figure **1.3.3**.

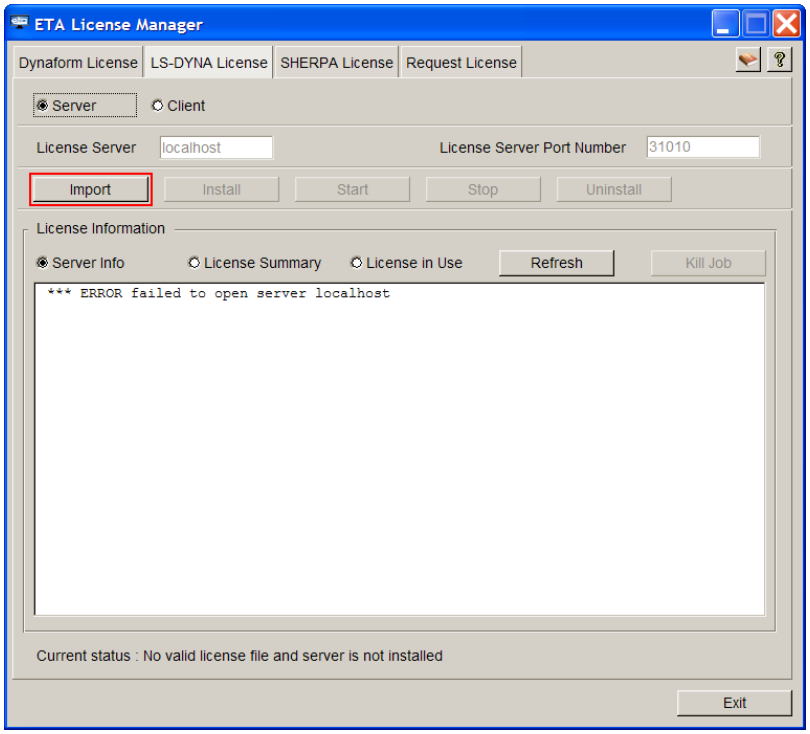

Figure 1.3.2 Click Import

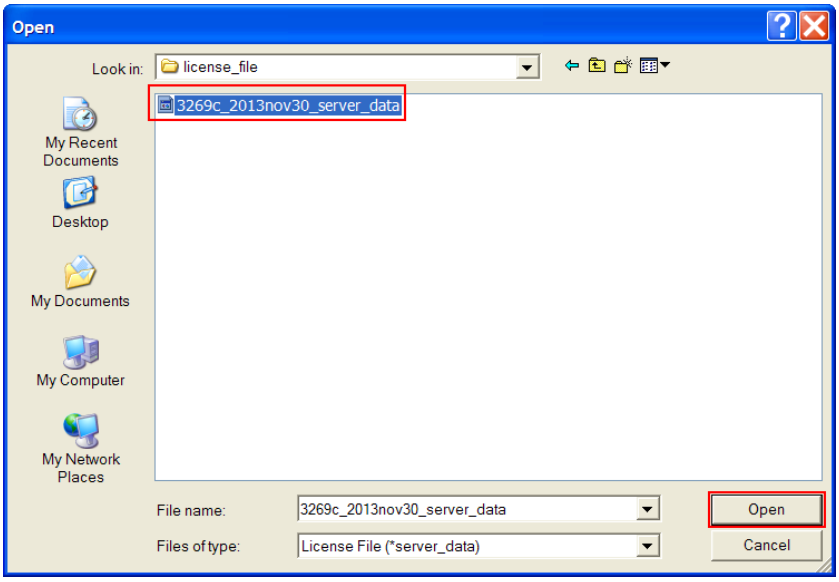

Figure 1.3.3 Select the license file

Click ***Open*** to import the license. The license file will be imported, named with new name **server_data** and put in the ETA License Manager installed folder, as illustrated in Figure **1.3.4**.

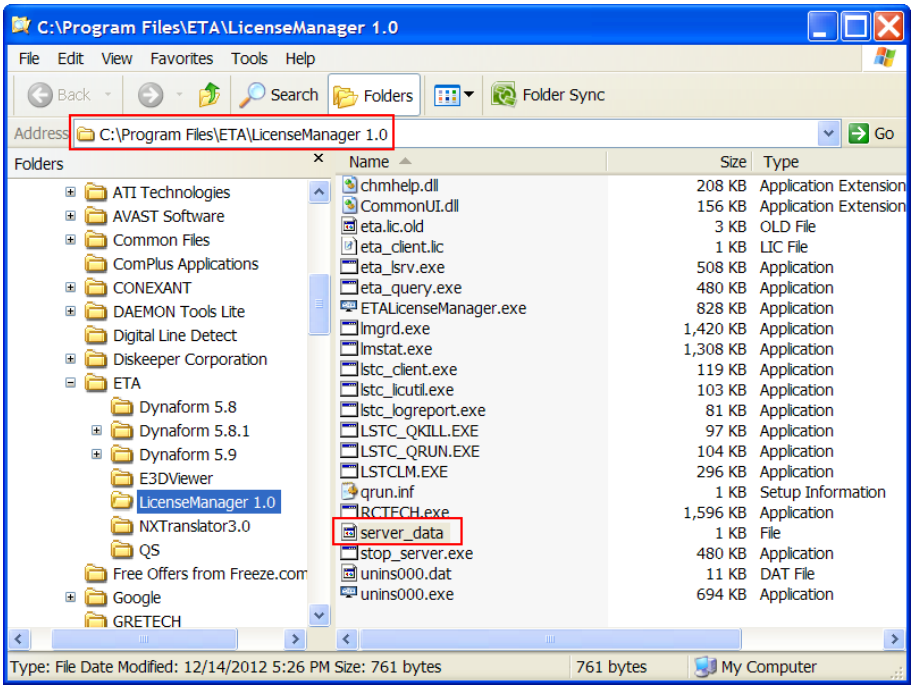

Figure 1.3.4 ETA License Manager installed folder

Note: License file must be generated on the server machine, where the LS-DYNA license serve will be installed on.

After clicking **Open**, if the license is valid, the program will pop up the dialog with the message "***License file is imported successfully***", as illustrated in Figure **1.3.5**.

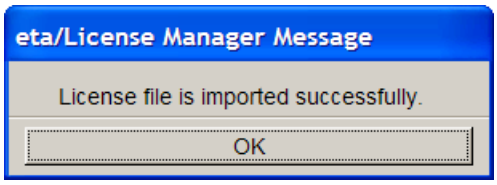

Figure 1.3.5 Valid License

If the license is not valid, the program will pop up the dialog with the message "***No valid license in file xxx_server_data***". Please check the license file, as illustrated in Figure **1.3.6**.

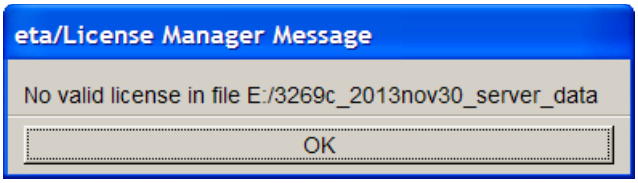

Figure 1.3.6 No Valid License

Step 5: Install LS-DYNA License

Click ***Install***, the server license is installed, as illustrated in Figure **1.3.7** and as illustrated in Figure **1.3.8**.

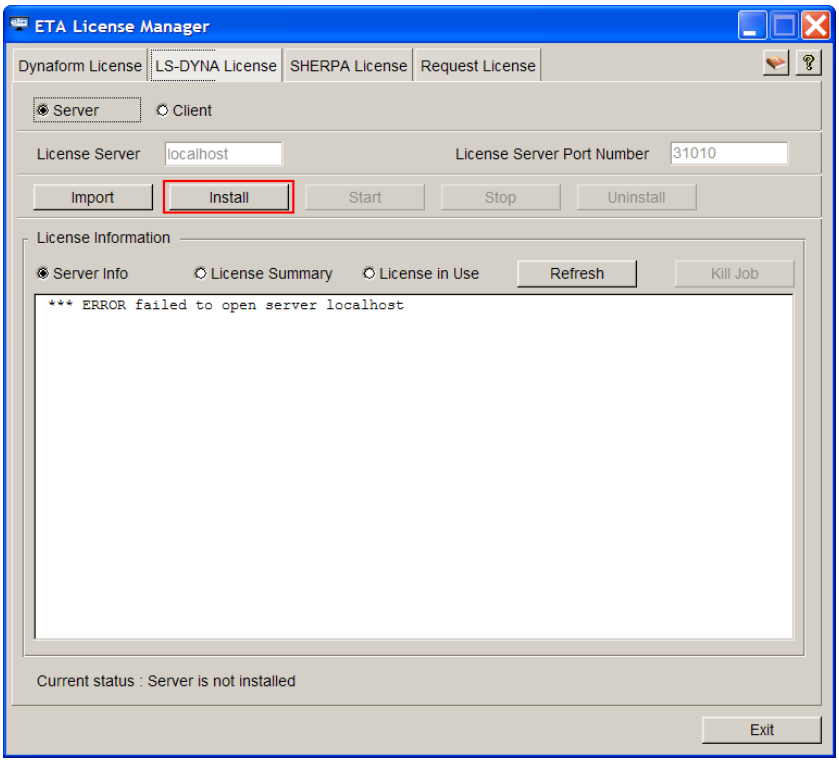

Figure 1.3.7 Click Install button

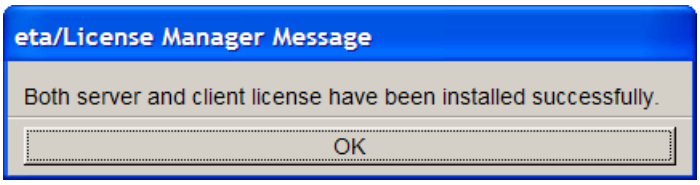

Figure 1.3.8 Install License

After installing the LS-DYNA license, three Environment Variables will be created and added to the user variables, as illustrated in Figure **1.3.9**:

LSTC_LICENSE = network

LSTC_LICENSE_SERVER = localhost

LSTC_LICENSE_SERVER_PORT = 31010

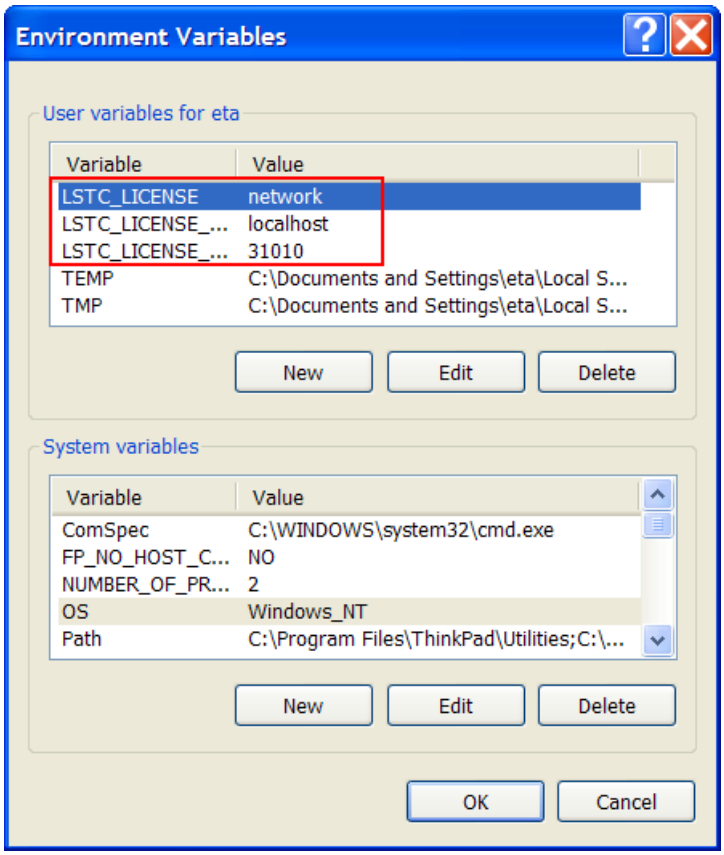

Figure 1.3.9 Three Environment Variables

After clicking **Install**, **LSTC License Manager** Service will be registered in the Windows Services, as illustrated in Figure **1.3.10**.

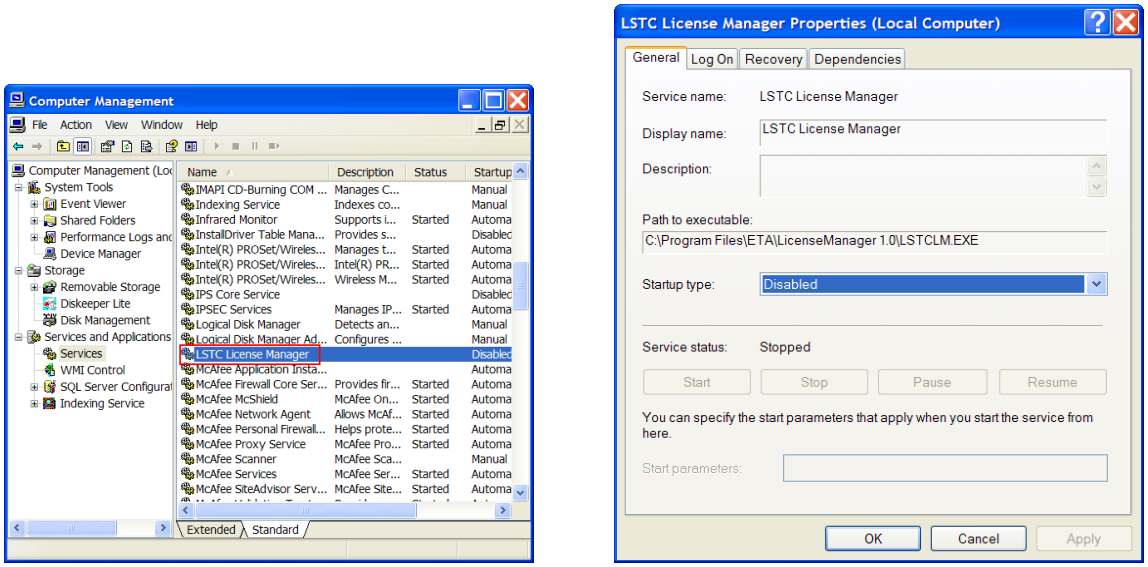

Figure 1.3.10 LSTC License Manager Service

*Note: Clicking **Uninstall**, the **LSTC License Manager** Service will be uninstalled, and three environment variables will be created at the same time, as illustrated in Figure 1.3.11. User needs to import and install the LS-DYNA license again to start the **LSTC License Manager** Service. The license server needs to be stopped to activate the Uninstall button.*

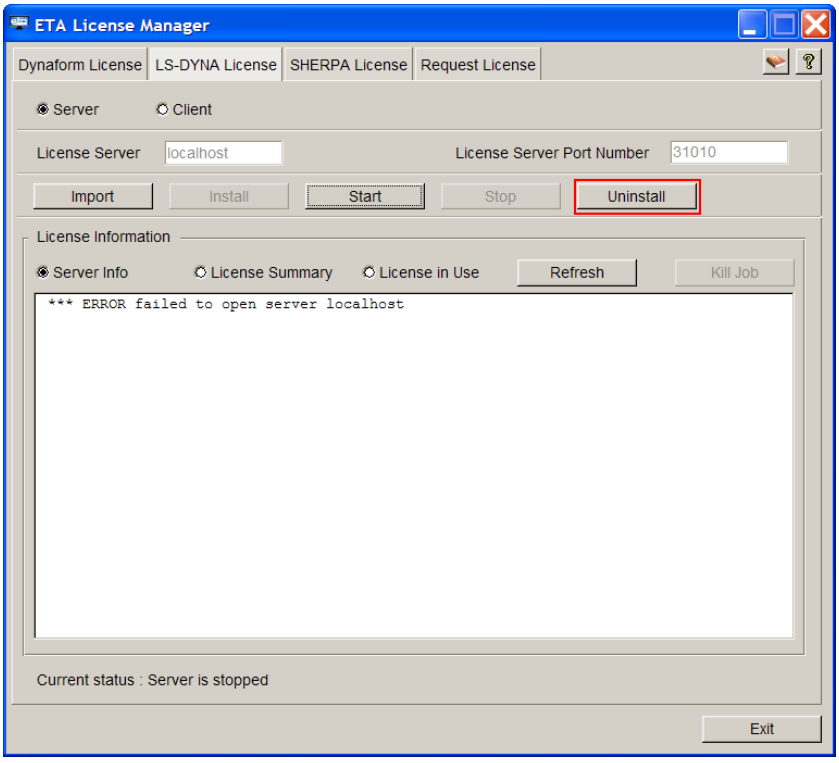

Figure 1.3.11 Uninstall

Step 6: Start LSTC License Manager

Click **Start** to start **LSTC License Manager** Service on Server machine, as illustrated in Figure **1.3.12**.

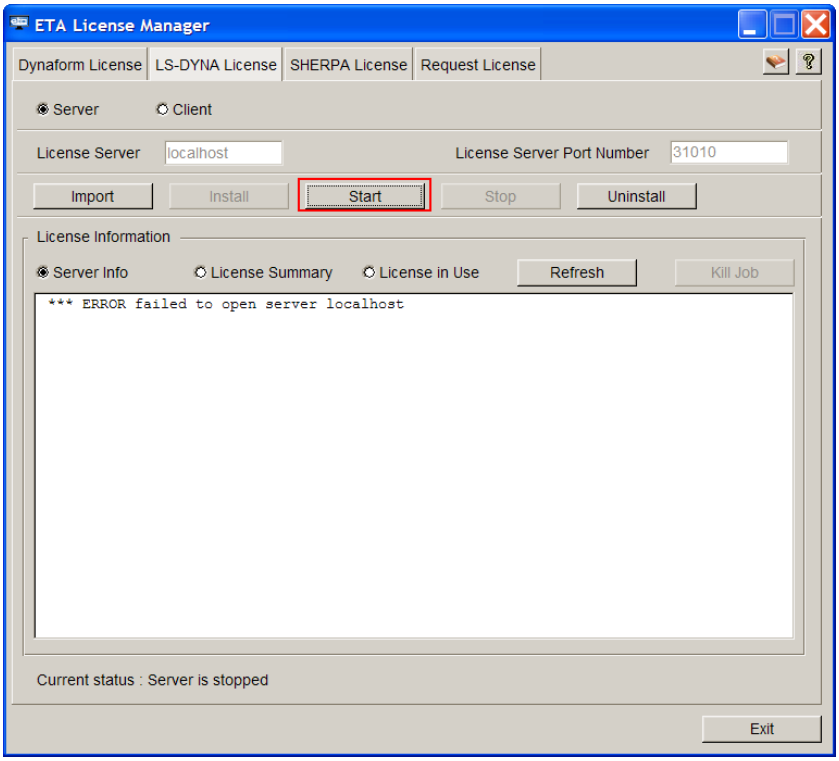

Figure 1.3.12 Start LS-DYNA License Manager Service

*Note: The program has added three environment variables in User Variables of the server machine. After starting **LSTC License Manager** Service on server machine, user can run LS-DYNA solver on server machine. To run LS-DYNA solver on the client machine, the user needs to install the three environment variables on client machine.*

Stop LSTC License Manager Service

After clicking **Stop**, the **LSTC License Manager** Service will be stopped, and user cannot run LS-DYNA solver on client machine or server machine, as illustrated in Figure **1.3.13**.

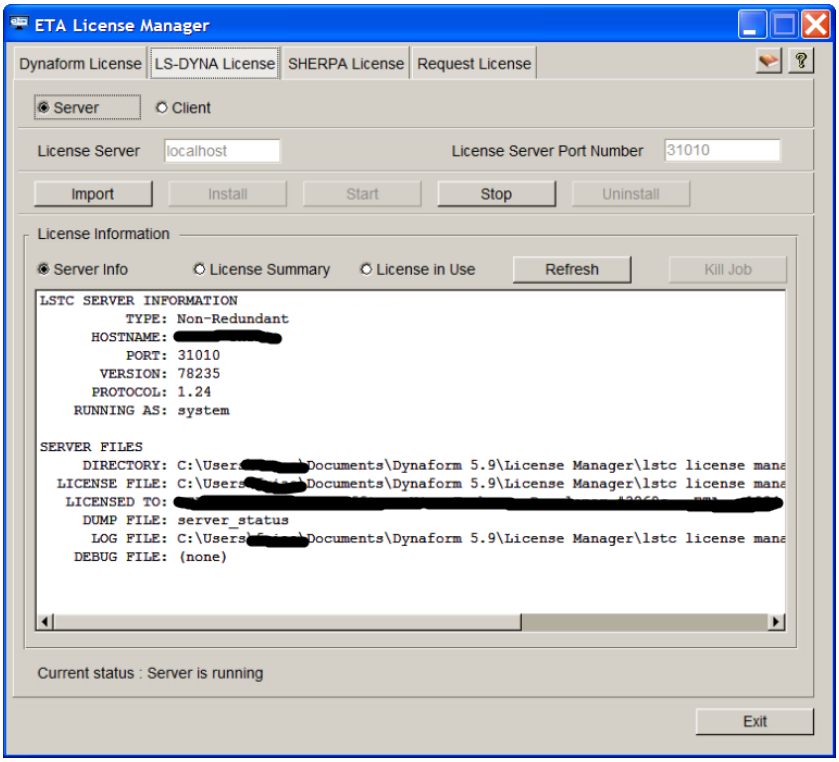

Figure 1.3.13 Stop License

1.3.2 RUN LS-DYNA SOLVER ON CLIENT MACHINE

When installing the LS-DYNA license on the server machine, the program has added the three environment variables in User Variables of the server machine. After starting **LSTC License Manager** Service on server machine, user can run LS-DYNA solver on server machine.

To run LS-DYNA Solver on Client machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On Client machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

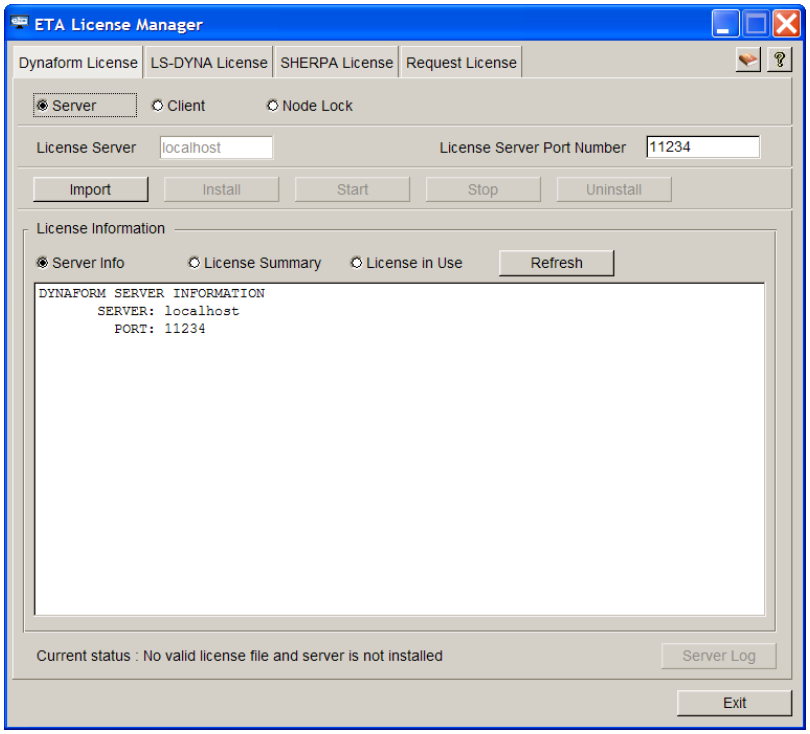

Figure 1.3.14 ETA License Manager

Step 2: Select Client

Switch to **LS-DYNA License** tab, and then select ***Client*** to create environment variables on the client license, as illustrated in Figure **1.3.15**.

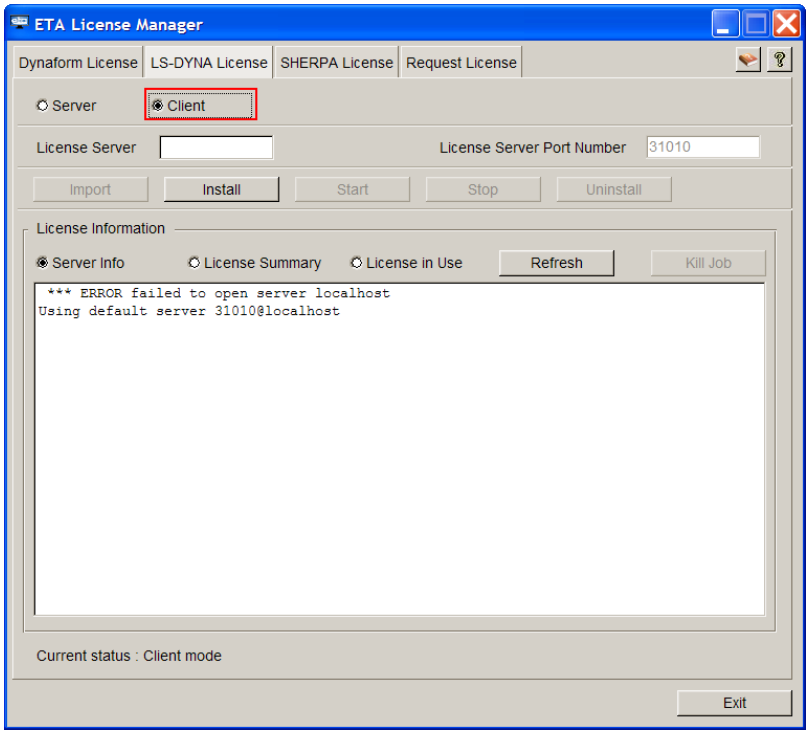

Figure 1.3.15 Select Client

Step 3: Fill License Server

Fill in the License Server with ***full computer name*** or ***IP Address*** of the Server machine, as illustrated in Figure **1.3.16**.

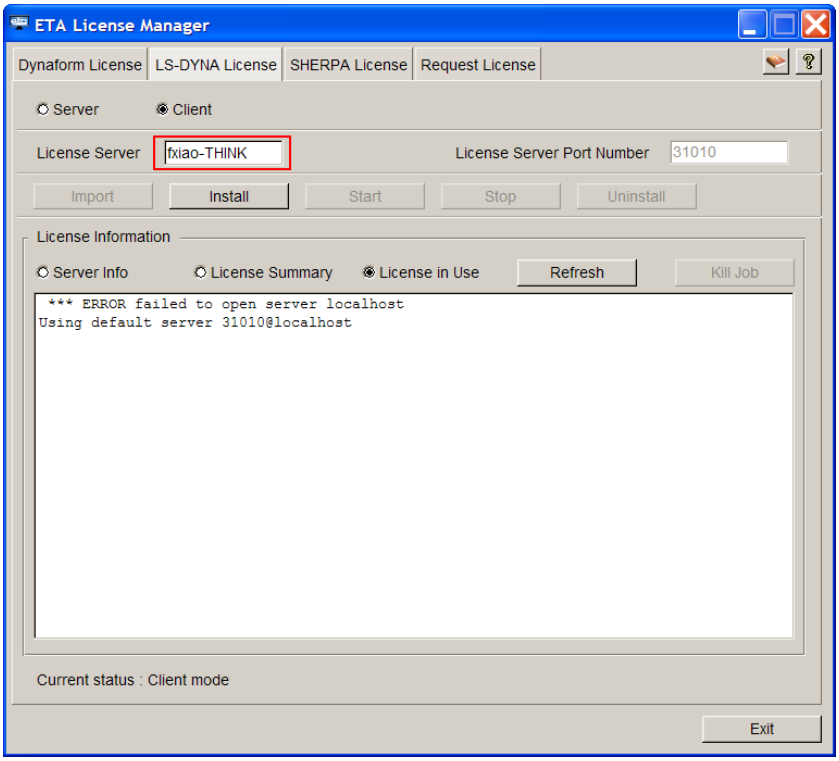

Figure 1.3.16 Fill License Server

Note:

1. *If fill full computer name in License Server, it should be the full computer name of the Server machine, where LS-DYNA server license is stalled on.*
2. *If fill IP Address in License Server, it should be the IP address of the Sever machine, where LS-DYNA Server license is stalled on. The IP Address of the Server machine should be static, and not be allowed to change.*
3. *The IP Address of the Client machine can be static or dynamic, but it must be in the range which is used to request LS-DYNA license.*

Step 4: Install Client Environment Variables

Clicking ***Install***, three Environment Variables will be created and added to the user variables on the Client machine, as illustrated in Figure **1.3.17**:

LSTC_LICENSE = network

LSTC_LICENSE_SERVER = "full computer name of the Server machine"

LSTC_LICENSE_SERVER_PORT = 31010

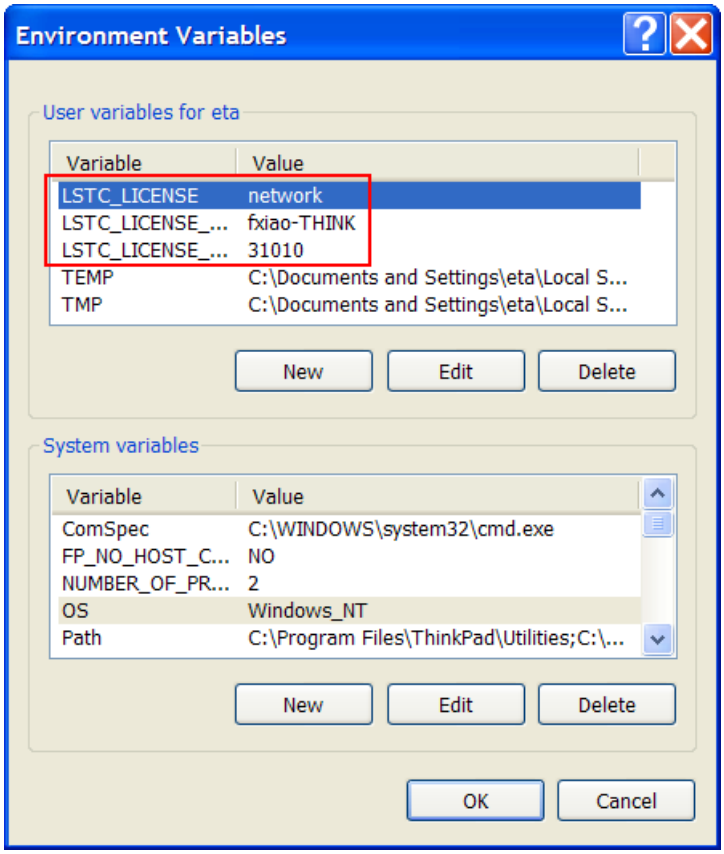

Figure 1.3.17 Environment Variables of the Client Machine

After having created the environments variables, the user can run LS-DYNA solver on the Client machine.

1.4 MANAGE SHERPA LICENSE

Sherpa License tab is used to manage Server and Client of SHERPA network license. Install the SHERPA license on the server machine, and the client machine can connect the server to run SHERPA.

1.4.1 INSTALL SHERPA LICENSE ON SERVER MACHINE

To install the SHERPA License, and start **SHERPA License Manager** Service on Server machine, the user needs to do the following steps.

Step 1: Request a SHERPA License.

User can do the steps in section 1.5 **Request License** to request a SHERPA License.

Step 2: Run ETA License Manager

On the Server machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

Step 3: Select Server

Switch to **SHERPA License** tab, and then select ***Server*** to install the license on the server machine, as illustrated in Figure **1.4.1**.

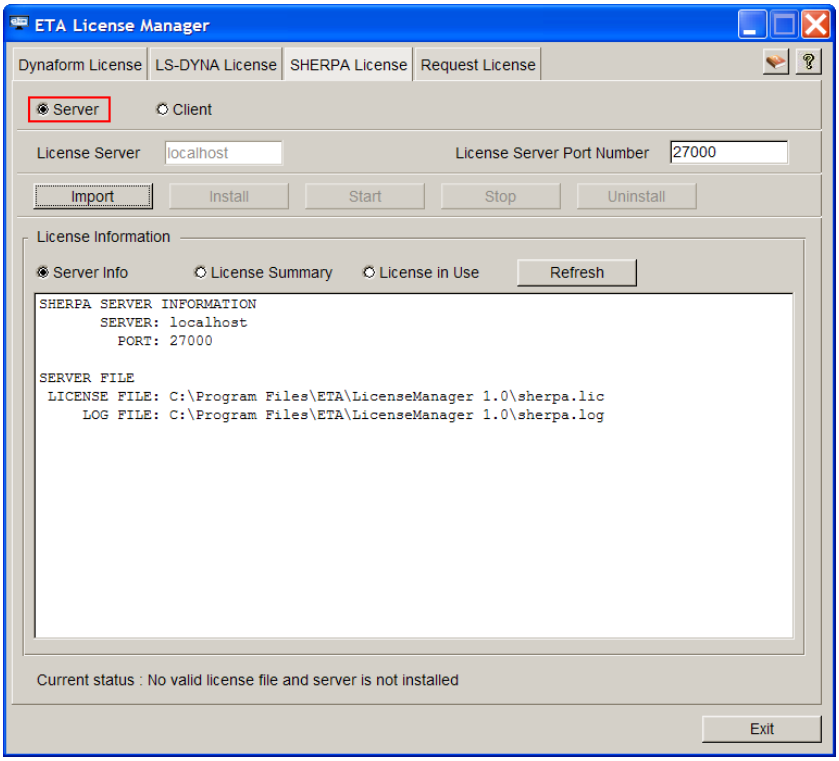

Figure 1.4.1 Select Server

Step 4: Import License

Click ***Import***, select the folder where the license is put on, and select the license file, such as ***xxx_pc_exp_xxxxxx.lic***, as illustrated in Figure **1.4.2** and Figure **1.4.3**.

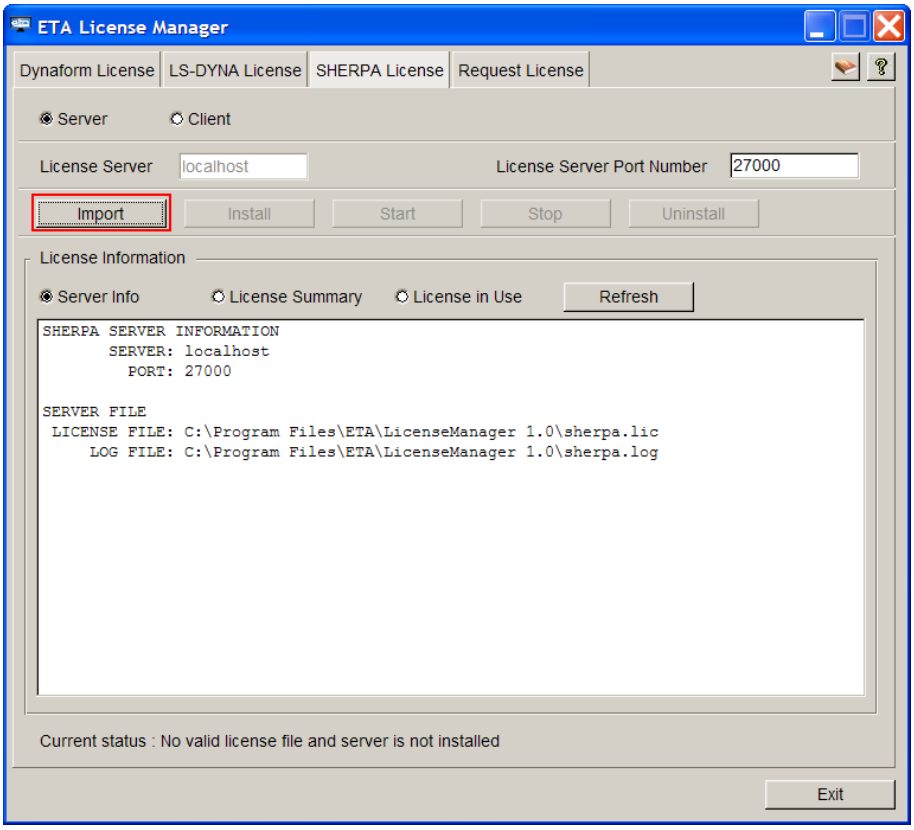

Figure 1.4.2 Click Import

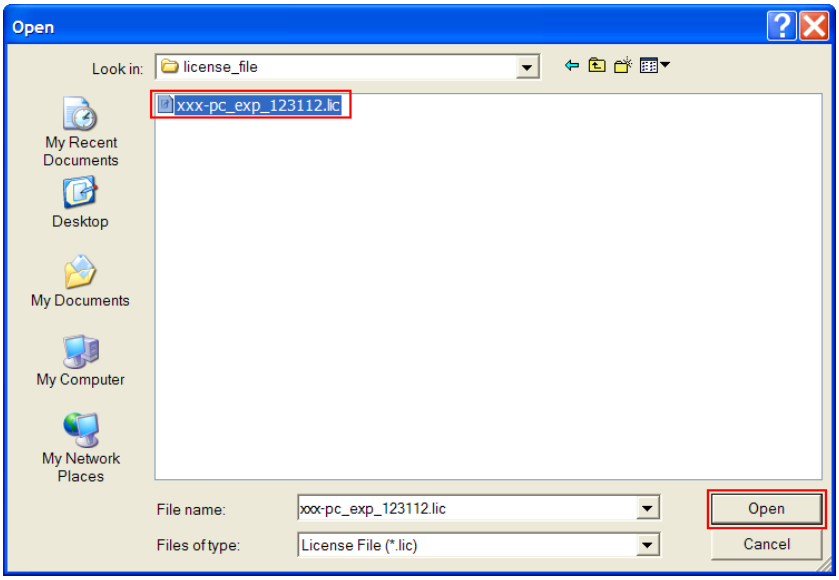

Figure 1.4.3 Select the license file

Click ***Open*** to import the license. The license file will be imported, named with a new name **sherpa.lic** and put on the ETA License Manager installed folder, as illustrated in Figure **1.4.4**.

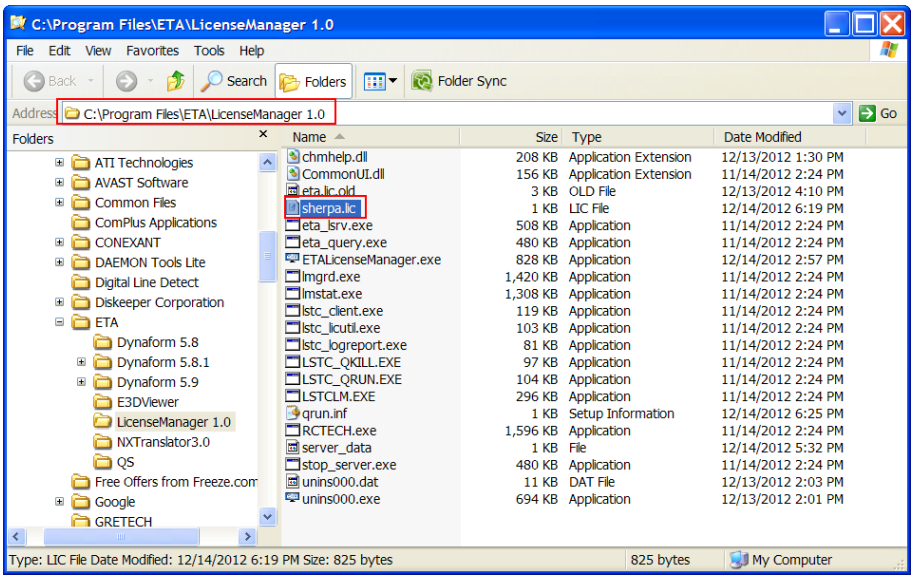
C:\Program Files\ETA\LicenseManager 1.0
File Edit View Favorites Tools Help
Back Search Folders Folder Sync
Address C:\Program Files\ETA\LicenseManager 1.0
Go
Folders
ATI Technologies
AVAST Software
Common Files
ComPlus Applications
CONEXANT
DAEMON Tools Lite
Digital Line Detect
Diskeeper Corporation
ETA
Dynaform 5.8
Dynaform 5.8.1
Dynaform 5.9
E3DViewer
LicenseManager 1.0
NXTranslator3.0
QS
Free Offers from Freeze.com
Google
GRETECH
Name Size Type Date Modified
chmhelp.dll 208 KB Application Extension 12/13/2012 1:30 PM
CommonUI.dll 156 KB Application Extension 11/14/2012 2:24 PM
eta.lic.old 3 KB OLD File 12/13/2012 4:10 PM
sherpa.lic 1 KB LIC File 12/14/2012 6:19 PM
eta_lsrv.exe 508 KB Application 11/14/2012 2:24 PM
eta_query.exe 480 KB Application 11/14/2012 2:24 PM
ETALicenseManager.exe 828 KB Application 12/14/2012 2:57 PM
lmgrd.exe 1,420 KB Application 11/14/2012 2:24 PM
lmstat.exe 1,308 KB Application 11/14/2012 2:24 PM
lstc_client.exe 119 KB Application 11/14/2012 2:24 PM
lstc_licutil.exe 103 KB Application 11/14/2012 2:24 PM
lstc_logreport.exe 81 KB Application 11/14/2012 2:24 PM
LSTC_QKILL.EXE 97 KB Application 11/14/2012 2:24 PM
LSTC_QRUN.EXE 104 KB Application 11/14/2012 2:24 PM
LSTCLM.EXE 296 KB Application 11/14/2012 2:24 PM
qrun.inf 1 KB Setup Information 12/14/2012 6:25 PM
RCTECH.exe 1,596 KB Application 11/14/2012 2:24 PM
server_data 1 KB File 12/14/2012 5:32 PM
stop_server.exe 480 KB Application 11/14/2012 2:24 PM
unins000.dat 11 KB DAT File 12/13/2012 2:03 PM
unins000.exe 694 KB Application 12/13/2012 2:01 PM
Type: LIC File Date Modified: 12/14/2012 6:19 PM Size: 825 bytes
825 bytes
My Computer

Figure 1.4.4 ETA License Manager installed folder

Note: License file must be generated on the server machine, where the SHERPA license serve will be installed on.

After clicking **Open**, if the license is valid, the program will pop up the dialog with the message "***License file is imported successfully***", as illustrated in Figure **1.4.5**.

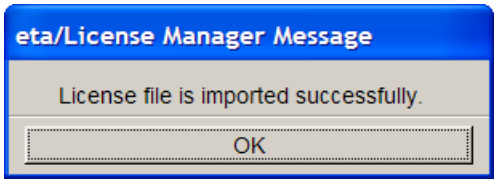

Figure 1.4.5 Valid License

If the license is not valid, the program will pop up the dialog with the message "***No valid license in file xxx-pc_exp_xxxxxx.lic***", as illustrated in Figure **1.4.6**. Please check the license file.

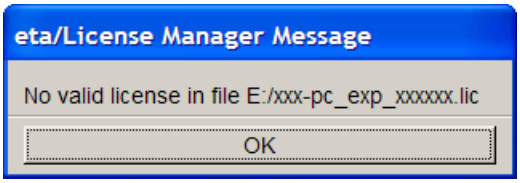

Figure 1.4.6 No Valid License

Step 5: Install SHERPA License

Click ***Install***, the server license is installed, as illustrated in Figure **1.4.7** and Figure **1.4.8**.

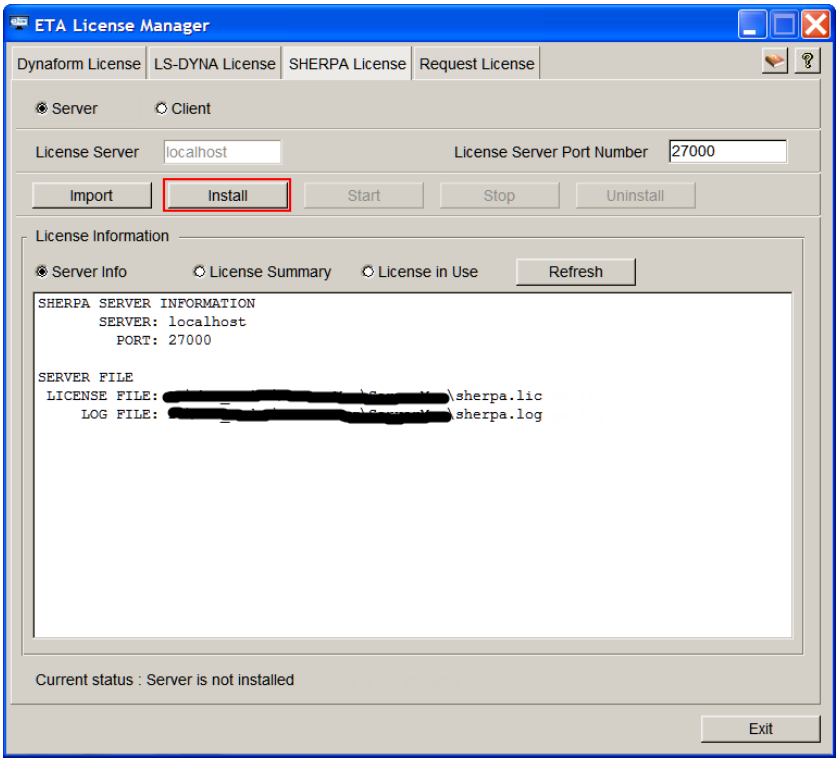

Figure 1.4.7 Click Install button

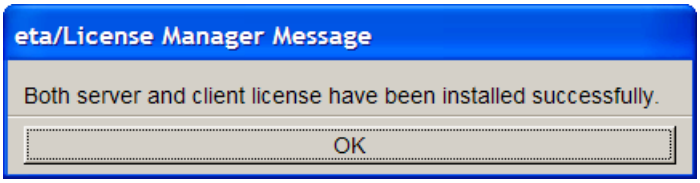

Figure 1.4.8 Install License

After installing the SHERPA license, one Environment Variable will be created and added to the user variables, as illustrated in Figure **1.4.9**:

RCTECH_LICENSE_FILE = @localhost

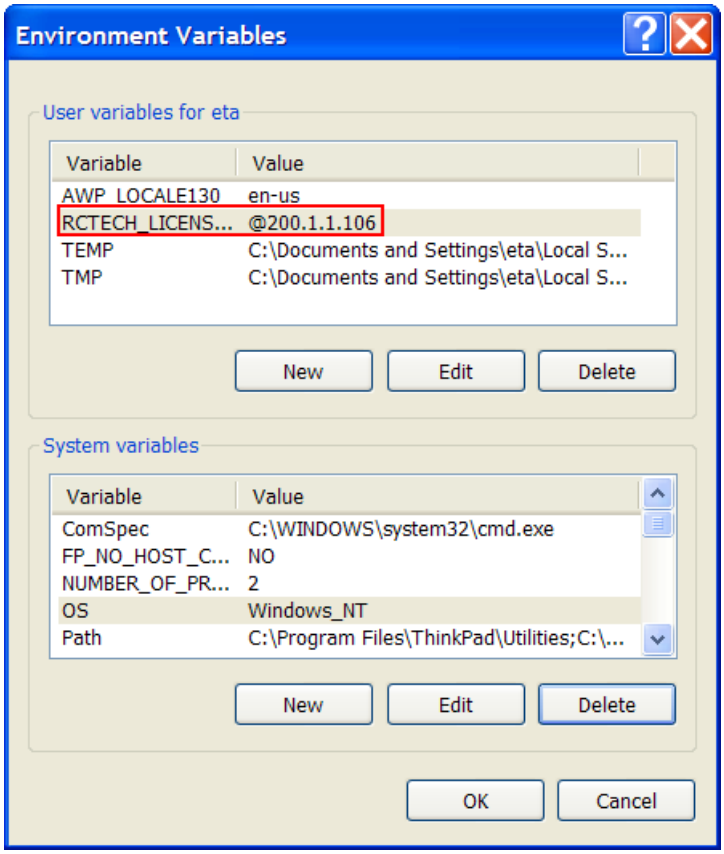

Figure 1.4.9 One Environment Variable

After clicking **Install**, **SHERPA License Manager** Service will be registered in the Windows Services, as illustrated in Figure **1.4.10**.

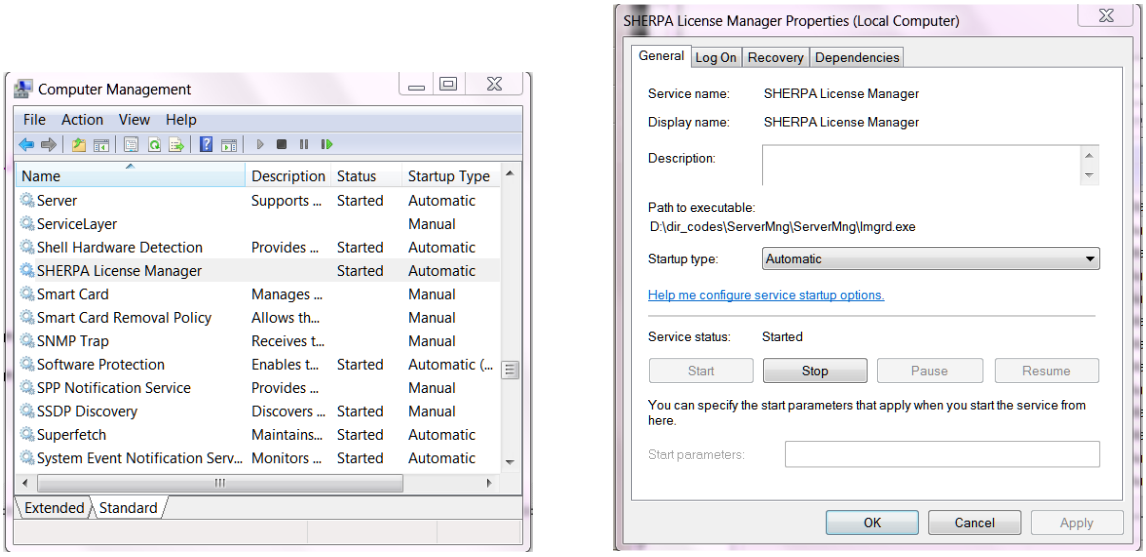

Figure 1.4.10 SHERPA License Manager Service

*Note: Clicking **Uninstall**, the **SHERPA License Manager** Service will be uninstalled, and the created environment variable will be removed at the same time, as illustrated in Figure 1.4.11. User needs to import and install the SHERPA license again to start the **SHERPA License Manager** Service. The license server needs to be stopped to activate the Uninstall button.*

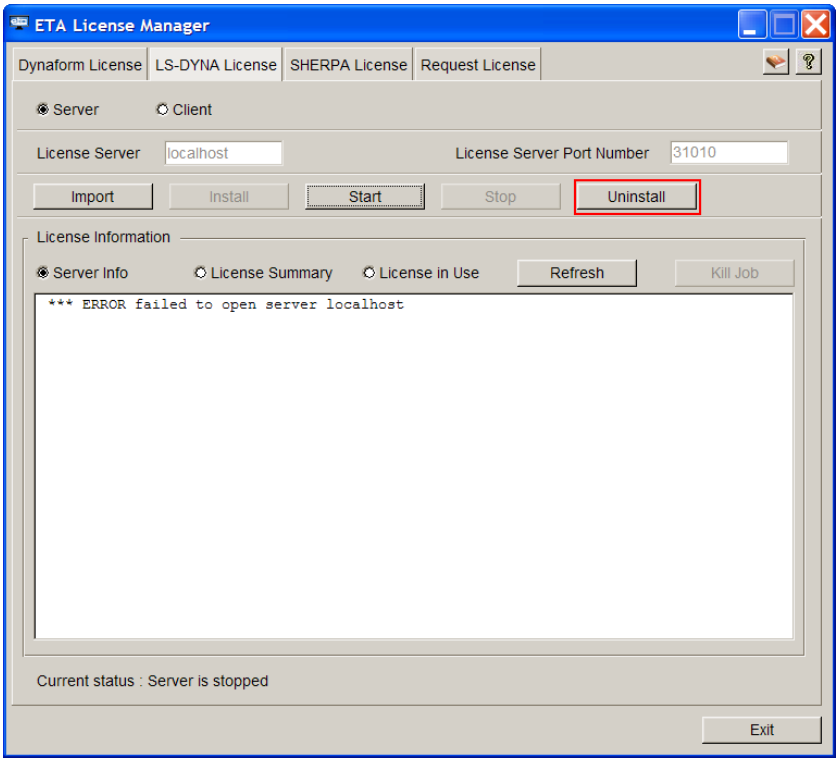

Figure 1.4.11 Uninstall

Step 6: Start SHERPA License Manager

Click **Start** to start **SHERPA License Manager** Service on Server machine, as illustrated in Figure **1.4.12**.

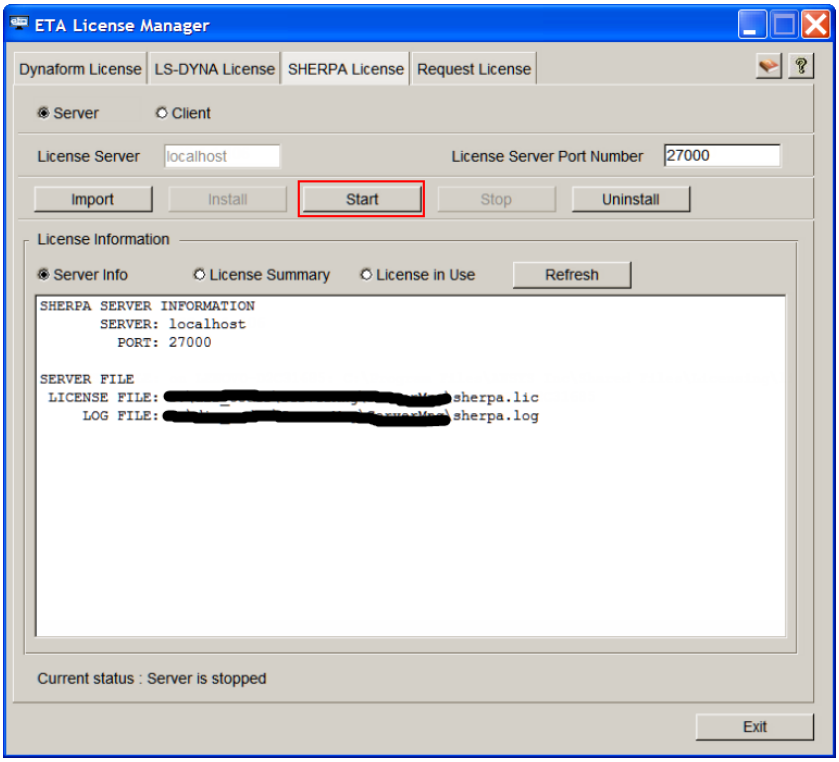

Figure 1.4.12 Start SHERPA License Manager Service

*Note: The program has added the environment variable in User Variables of the server machine. After starting **SHERPA License Manager** Service on server machine, user can run an optimization with Sherpa on server machine. To run an optimization with Sherpa on the client machine, the user needs to install the environment variable on client machine.*

Stop SHERPA License Manager Service

After clicking **Stop**, the **SHERPA License Manager** Service will be stopped, and user cannot run an optimization with Sherpa on client machine and server machine, as illustrated in Figure **1.4.13**.

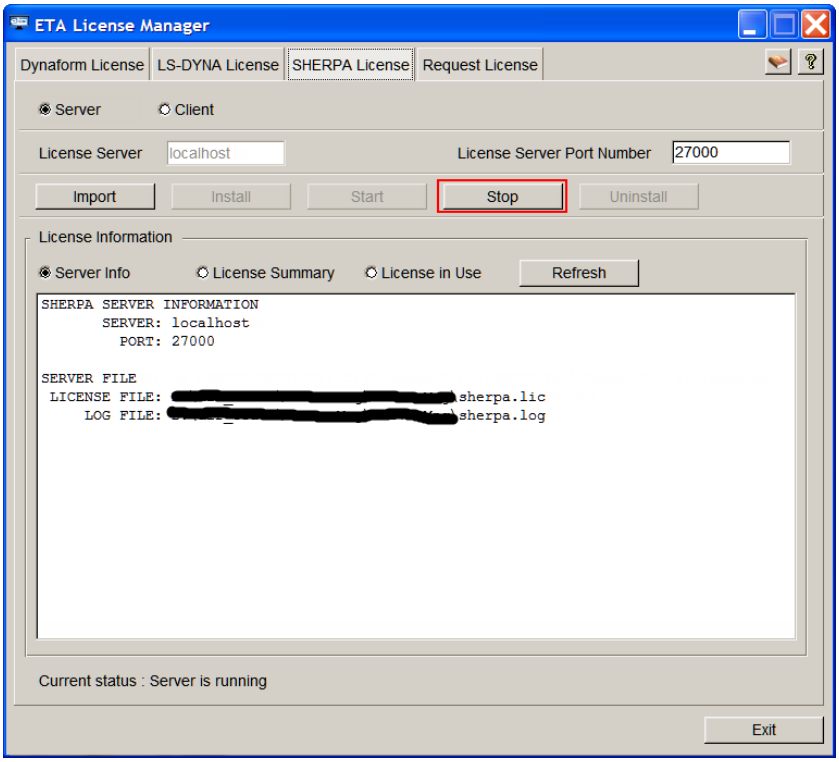

Figure 1.4.13 Stop License.

1.4.2 RUN SHERPA ON CLIENT MACHINE

When installing the SHERPA license on the server machine, the program has added the environment variable in User Variables of the server machine. After starting **SHERPA License Manager** Service on server machine, user can run an optimization with Sherpa on server machine.

To run an optimization with Sherpa on Client machine, the user needs to do the following steps.

Step 1: Run "ETA License Manager" on Client Machine

On Client machine, open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

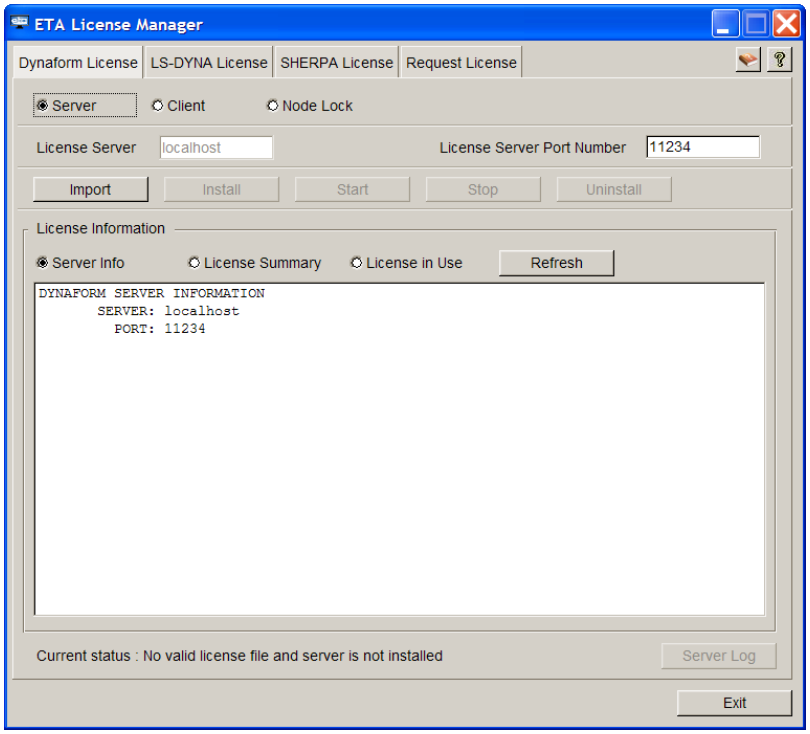

Figure 1.4.14 ETA License Manager

Step 2: Select Client

Switch to **SHERPA License** tab, and then select ***Client*** to create environment variable on the client license, as illustrated in Figure **1.4.15**.

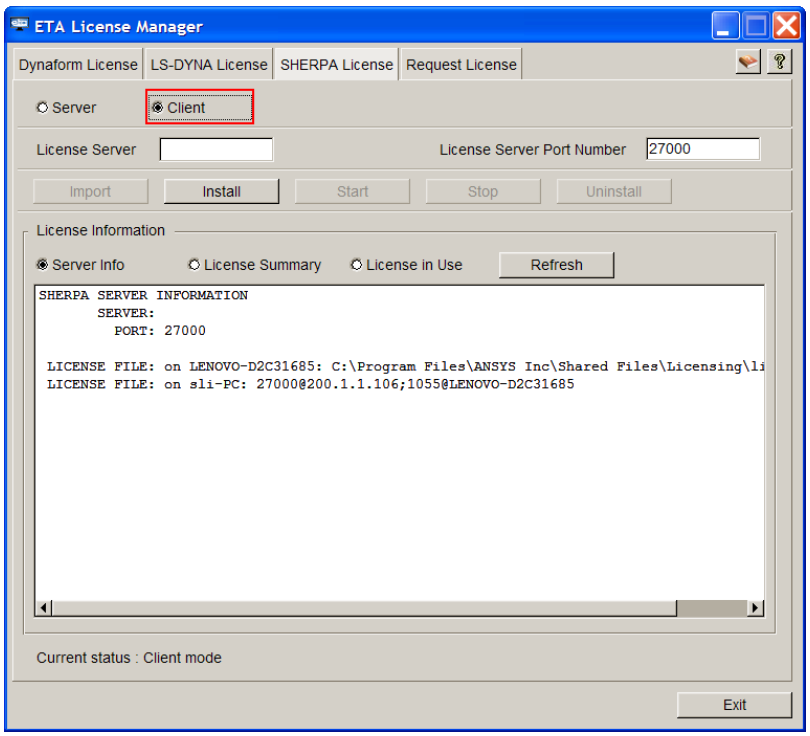

Figure 1.4.15 Select Client

Step 3: Fill License Server

Fill in the License Server with ***full computer name*** or ***IP Address*** of the Server machine, as illustrated in Figure **1.4.16**.

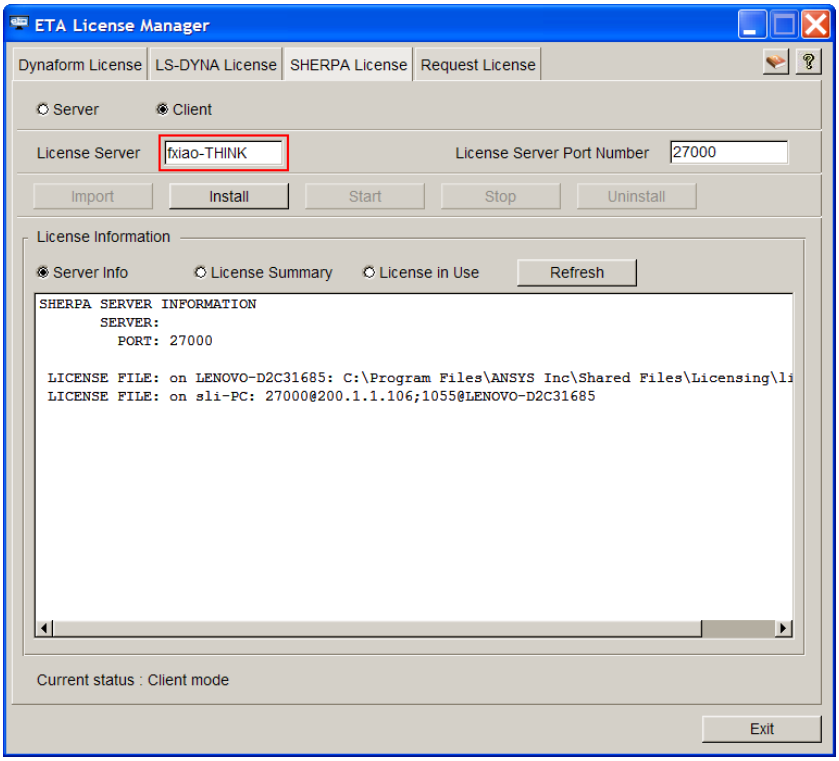

Figure 1.4.16 Fill License Server

Note:

1. *If fill full computer name in License Server, it should be the full computer name of the Server machine, where SHERPA server license is stalled on.*
2. *If fill IP Address in License Server, it should be the IP address of the Sever machine, where SHERPA Server license is stalled on. The IP Address of the Server machine should be static, and not be allowed to change. .*

Step 4: Install Client Environment Variable

Click ***Install***, one Environment Variables will be created and added to the user variables on the Client machine, as illustrated in Figure **1.4.17**:

RCTECH_LICENSE_FILE = @fxiao-THINK

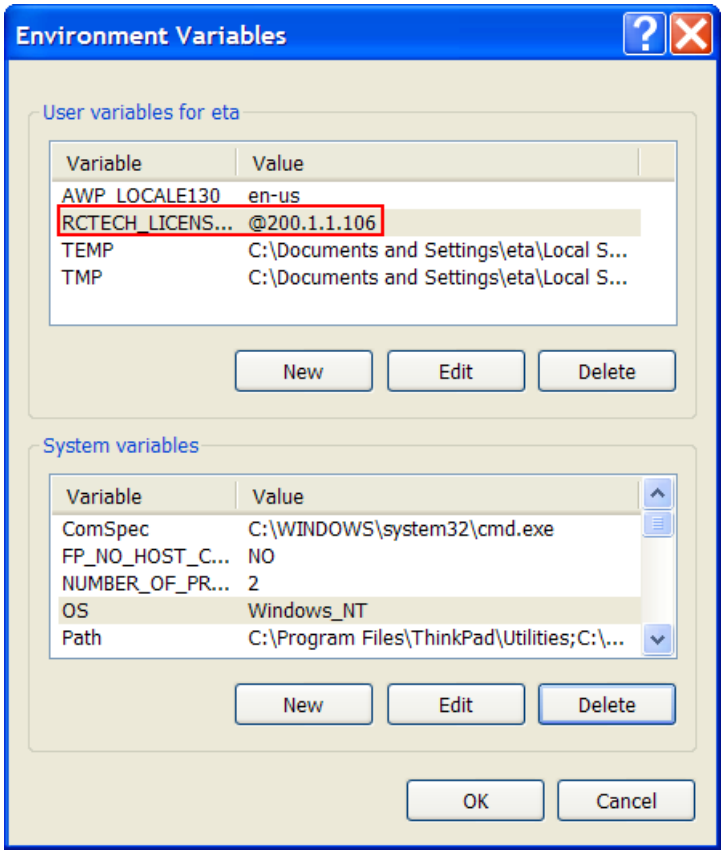

Figure 1.4.17 One Environment Variable of the Client Machine

After having created the environments variable, user can run an optimization with Sherpa on the Client machine.

1.4.3 PROBLEMS CONNECTING TO THE LICENSE SERVER

If you get a "license server connection problem" error after installation, most likely there is a problem with the firewall or security settings on the license server machine:

1. Try turning off the Windows Firewall *and* any network security software *that is* running.

2. Attempt to connect from the client machine again.

3. If this works, you'll need to set exceptions for the lmgrd.exe and **RCTECH.exe** executable in the ETA License Manager installed folder.

To set Windows Firewall exceptions for **lmgrd.exe** and **RCTECH.exe** executable, the user needs to do the following steps.

Step 1: Make sure that you are a user in either the *Network Configuration Operators or administrators group.*

Step 2: Navigate to the *Control Panel and open the Network Connections category.*

Step 3: Right-click on the **Local Area Connection**, and choose **Properties**.

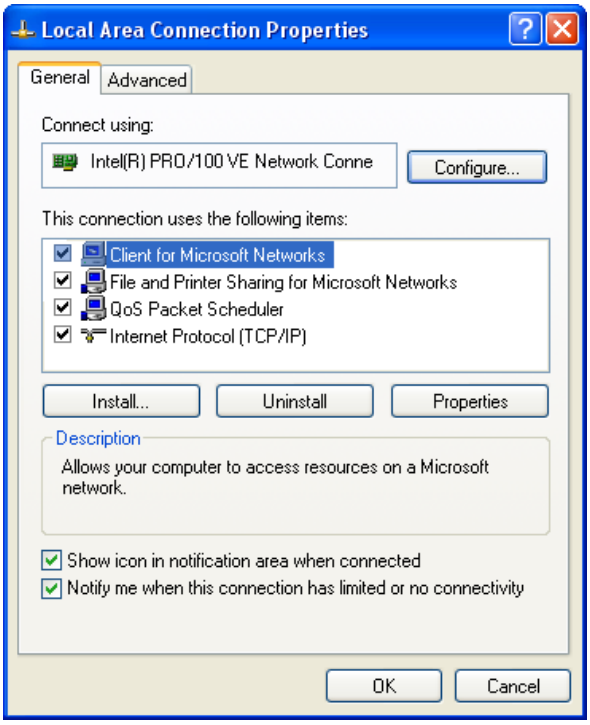

Figure 1.4.18 Local Area Connection Properties

Step 4: Click on the **Advanced** tab, and click Setting button.

Step 5: Click on the **Exceptions** tab.

Step 6: Click the **Add Program** button.

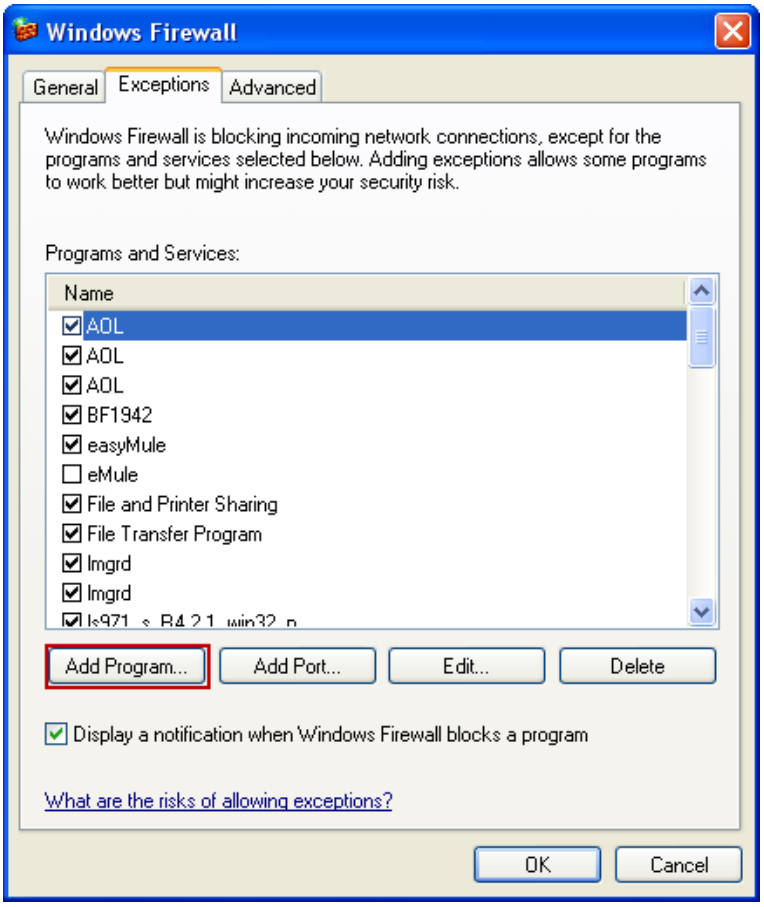

Figure 1.4.19 Exceptions

Step 7: Browse to **lmgrd.exe** in ETA License Manager installed folder, and click OK.

Step 8: Repeat steps 5 and 6 for **RCTECH.exe**.

Step 9: Click OK.

Step 10: Click OK again.

The **Windows Firewall** will now allow the license server to be contacted.

1.5 REQUEST LICENSE

Request License tab is used to generate the license log of **Dynaform**, **LS-DYNA** and **Sherpa,** as illustrated in Figure **1.5.1**.

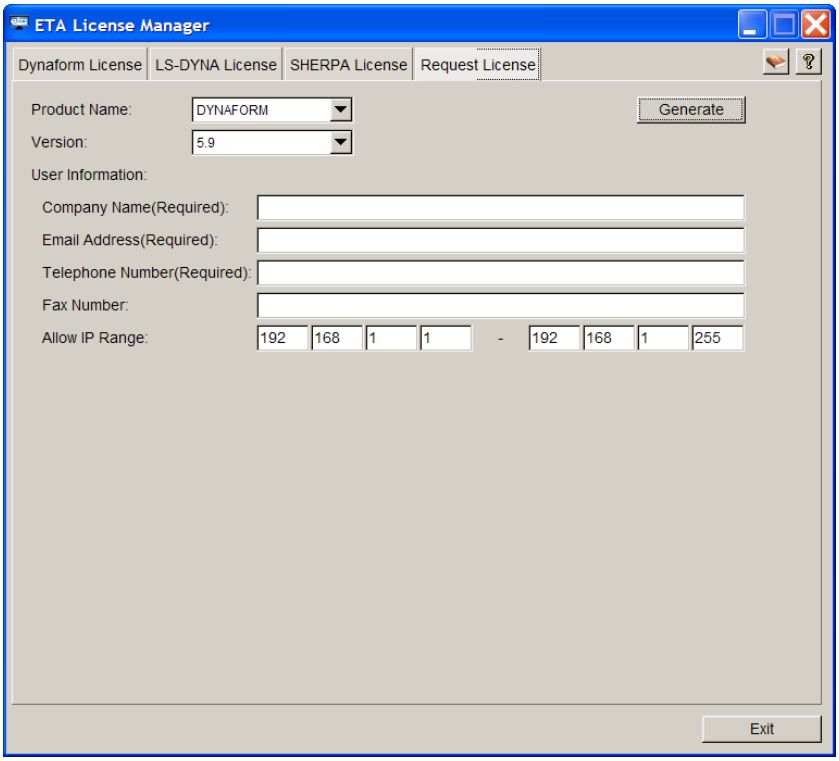

Figure 1.5.1 Request License

If you do not have a Dynaform License, you can do the following steps to request a license.

Step 1: Run "ETA License Manager"

Open "**ETA License Manager**" on desktop, or click "**ETA License Manager**" in the **Program Start Menu**: **Start → All Programs → ETALicenseManager 1.0 → ETALicenseManager**.

Note:

1. *User can do the steps in section 1.1 to install ETA License Manager.*
2. *Administrative privilege is required to run ETA License Manager.*

Step 2: Select Dynaform Version

Switch to ***Request License*** tab, and select ***Dynaform*** Version, as illustrated in Figure **1.5.2**.

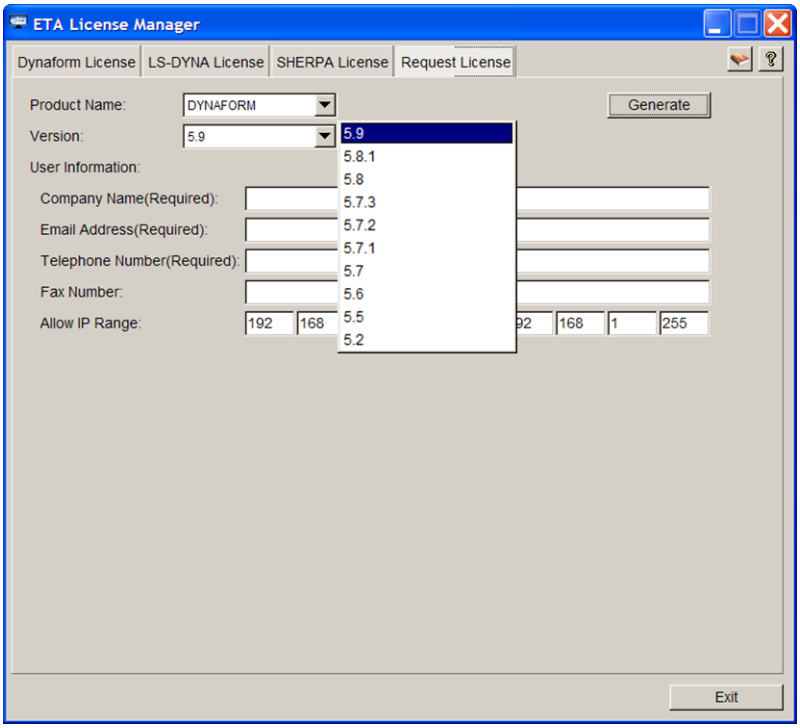

Figure 1.5.2 Select Dynaform Version

Step 3: Fill User information

User information includes ***Company Name***, ***Email Address***, ***Telephone Number***, ***Fax Number*** and ***Allow IP Range,*** as illustrated in Figure **1.5.3**. The ***Company Name***, ***Email Address*** and ***Telephone Number*** must be filled in.

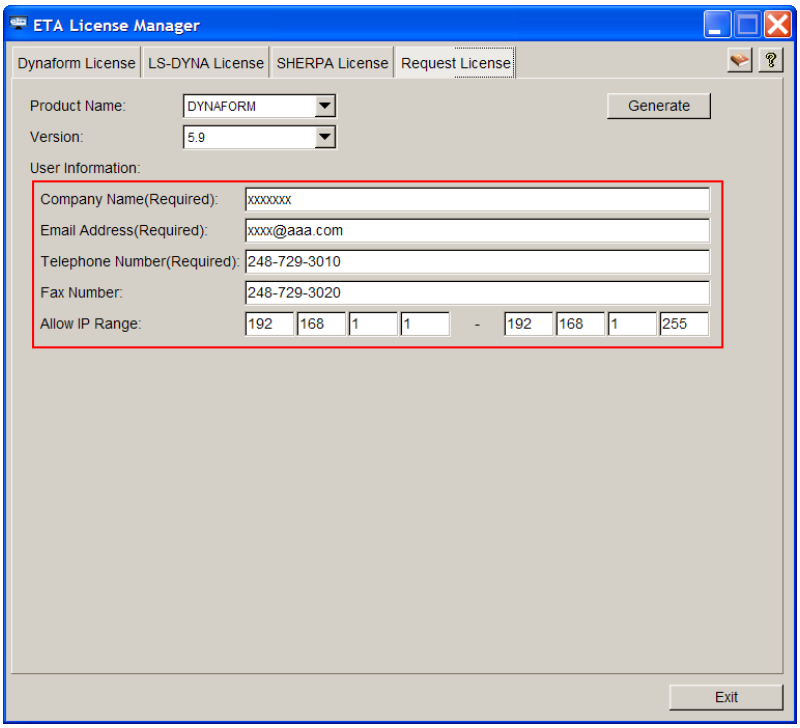

Figure 1.5.3 Fill user information

Step 4: Generate log file.

Click ***Generate***, and the program will ask you to select a folder where the log file will put on**.** The program will generate the log file of license request at the path: **eta.log**. The log file contains the license request information of **Dynaform**, **LS-DYNA** and **Sherpa**, as shown below.

~~~
~~~

 # 0: d 756e6547 6c65746e 49656e69

 # 1: 206a7 100800 1fbae3ff bfebfbff

 # 2: 76035a01 f0b2ff 0 ca0000

 # 4: 1c004121 1c0003f 3f 0

 # 5: 40 40 3 21120

 # 6: 77 2 9 0

 # 9: 0 0 0 0

 # 10: 7300403 0 0 603

 # 11: 1 2 100 0

 # 13: 0 0 0 0

 # e0: 80000008 0 0 0

 # e1: 0 0 1 28100000

 # e2: 20202020 6e492020 286c6574 43202952

 # e3: 2865726f 20294d54 322d3769 51303637

 # e4: 5043204d 20402055 30342e32 7a4847

 # e6: 0 0 1006040 0

 # e7: 0 0 0 100

 # e8: 3024 0 0 0

#

 # OPTIONS LOCALUSER/LOCALWINOPTS GENERATE A Windows LOCAL LICENSE

 # LOCALUSER: User Name

 # LOCALWINOPTS: ALL

#

SERVER: 20DD1B78 28942505 3D88B2B4 A82B2551 0377BD0F

 # 1x1 11b/g/n Wireless LAN PCI Express Half Mini Card Adapter (DOWN)

SERVER: A00C6C00 5FDEBD87 AE8C0D3C B4B7235D 9FB99A01

ALLOW_RANGE: 200.001.001.000 200.001.001.255

 # Intel(R) 82579LM Gigabit Network Connection (UP)

SERVER: B651AA19 6406B6CC 72CB762F 605ECAD4 6FCEC74A

ALLOW_RANGE: 112.229.113.002 255.255.255.255

 # Generic (UP)

 # Number of CPUs: 8

 # ProductId : No ProductId Information

#

ALLOW_RANGE: 192.001.001.001 192.001.001.255

#

SERVER_WRITE: 600

SERVER_PING: 1200

CLIENT_PING: 900

ASSUME_DEAD: 3600

#

CPUS: XX

LS-DYNA_971 MMDDYYYY

OPTION: REVISION 6

MPPDYNA_971 MMDDYYYY

OPTION: REVISION 6

#

CPUS: XX

LS-OPT MMDDYYYY

#

Step 5: Send the eta.log to your distributor or ETA key@eta.com for Dynafrom License.

Note: The LS-DYNA license needs a range of IP addresses or multiple ranges. Please provide the appropriate IP Address information when you send it to the distributor or ETA. Once the license file is generated, it cannot be modified by the end user.